

FIG.1

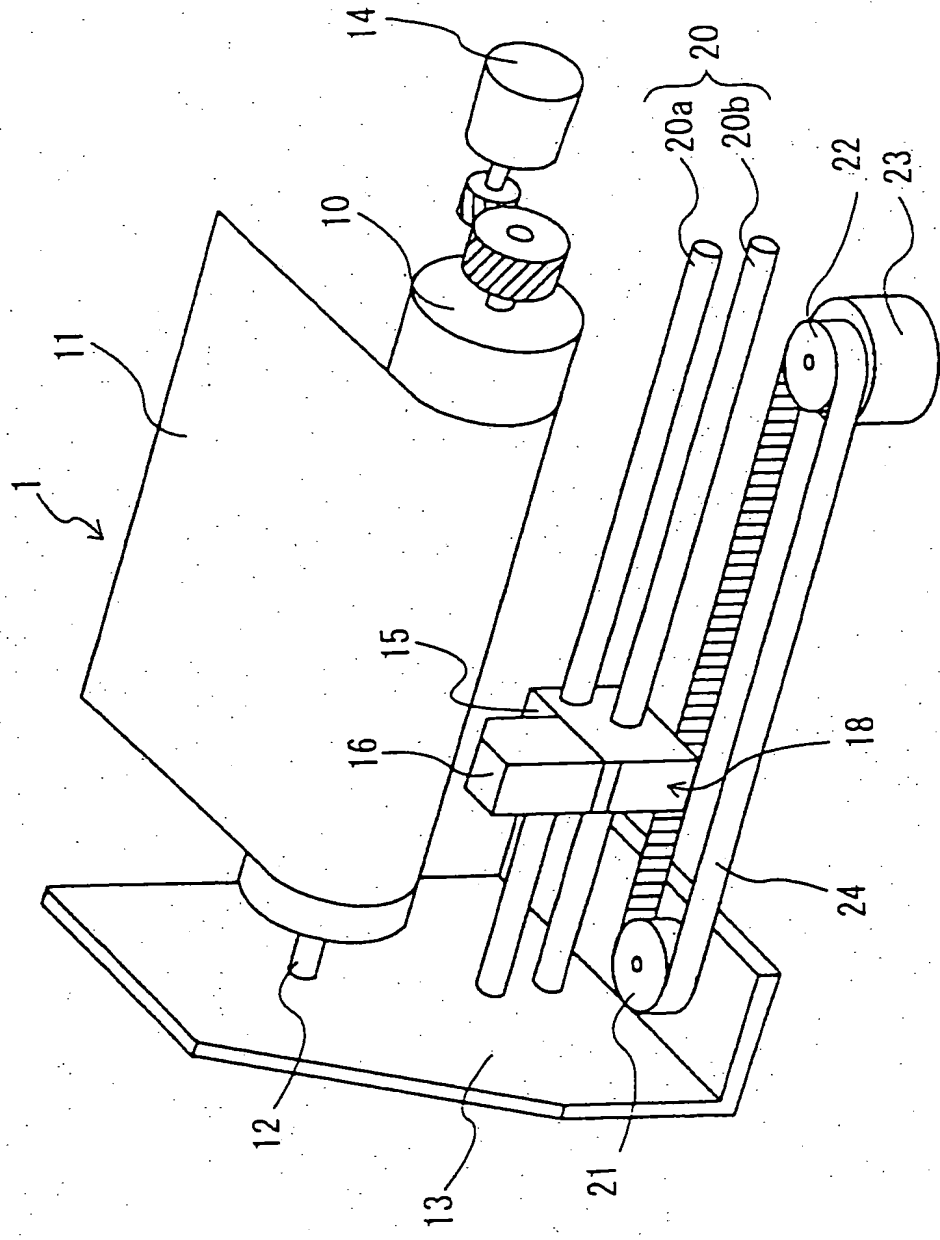


FIG.2

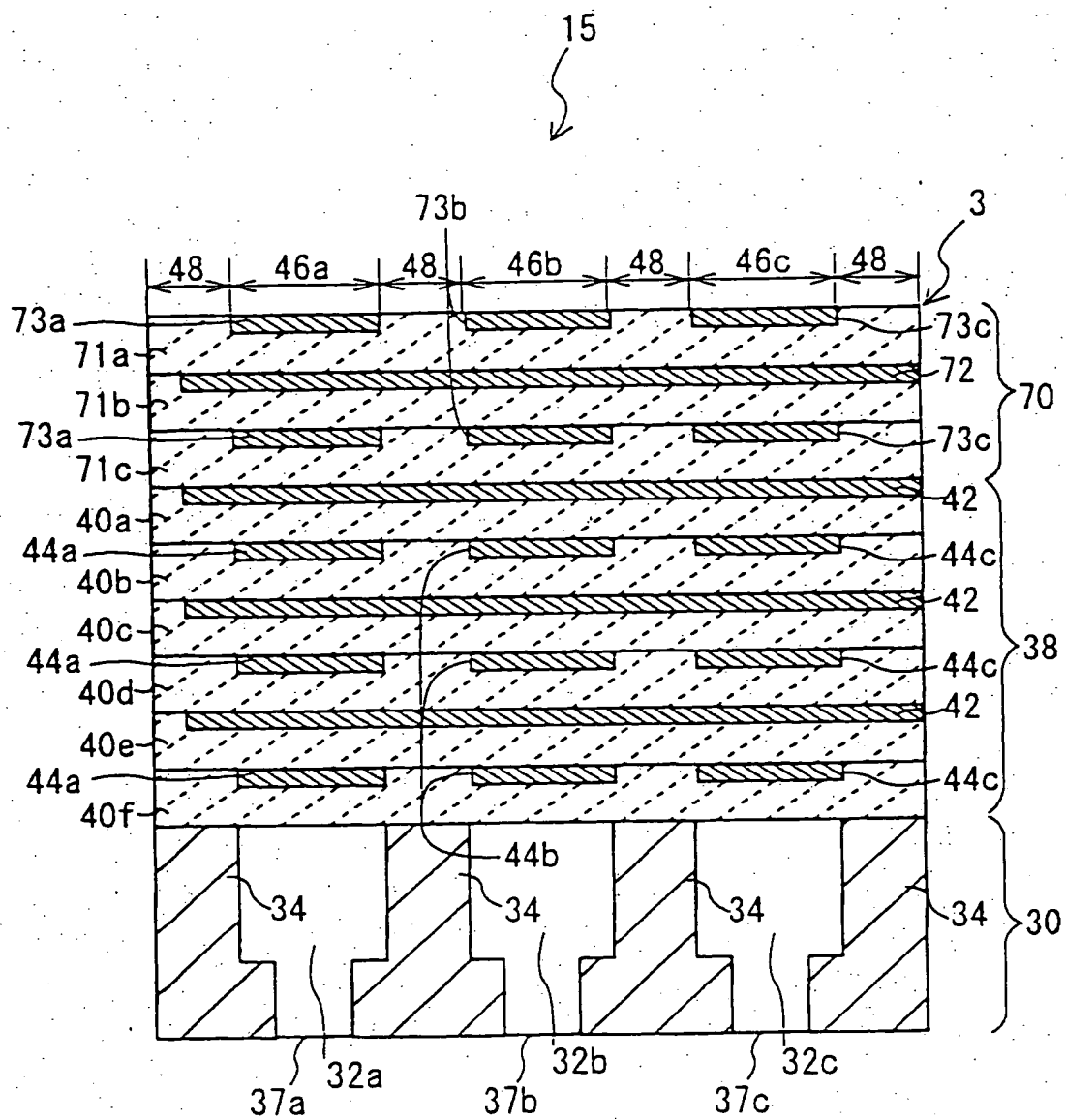


FIG. 3

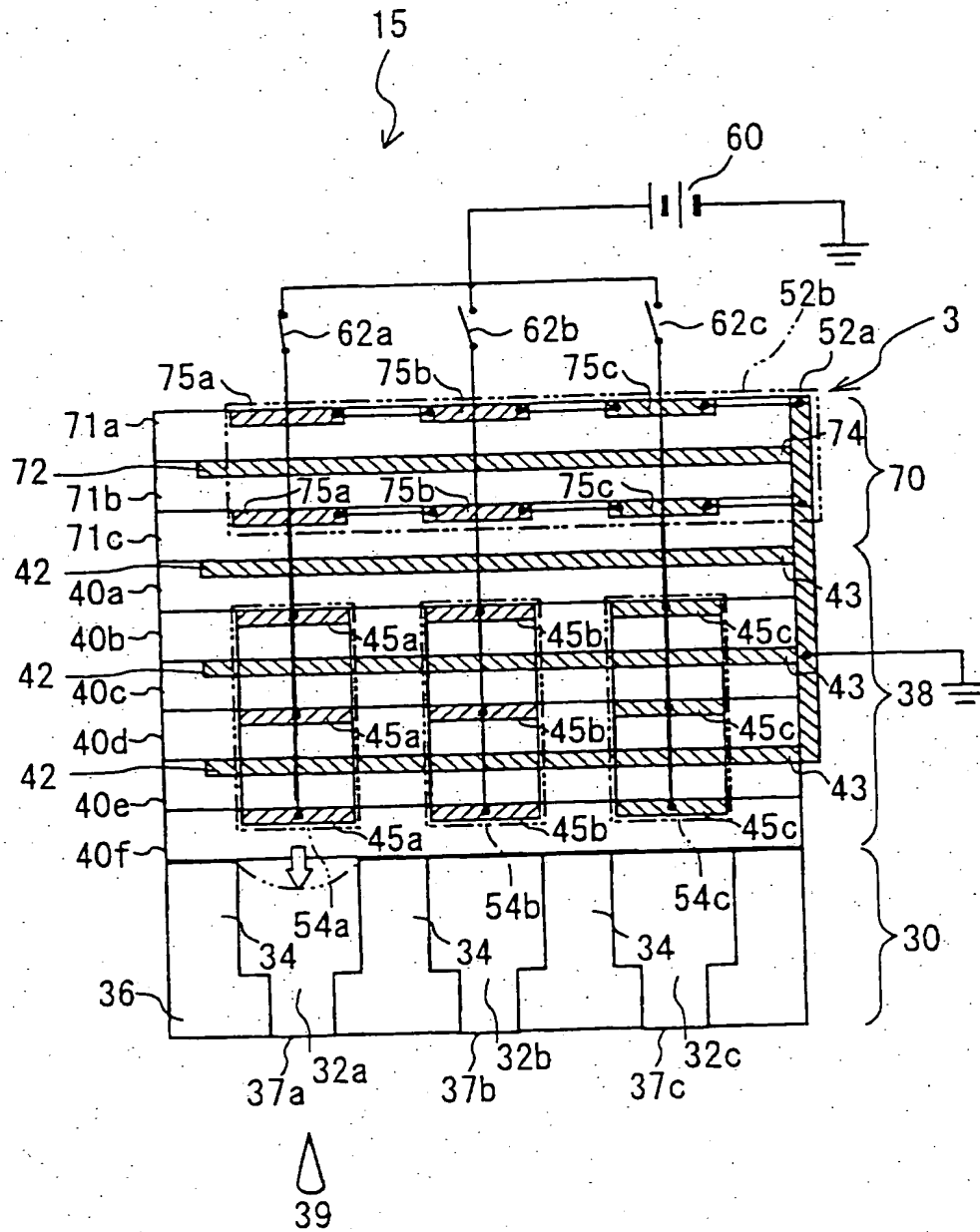
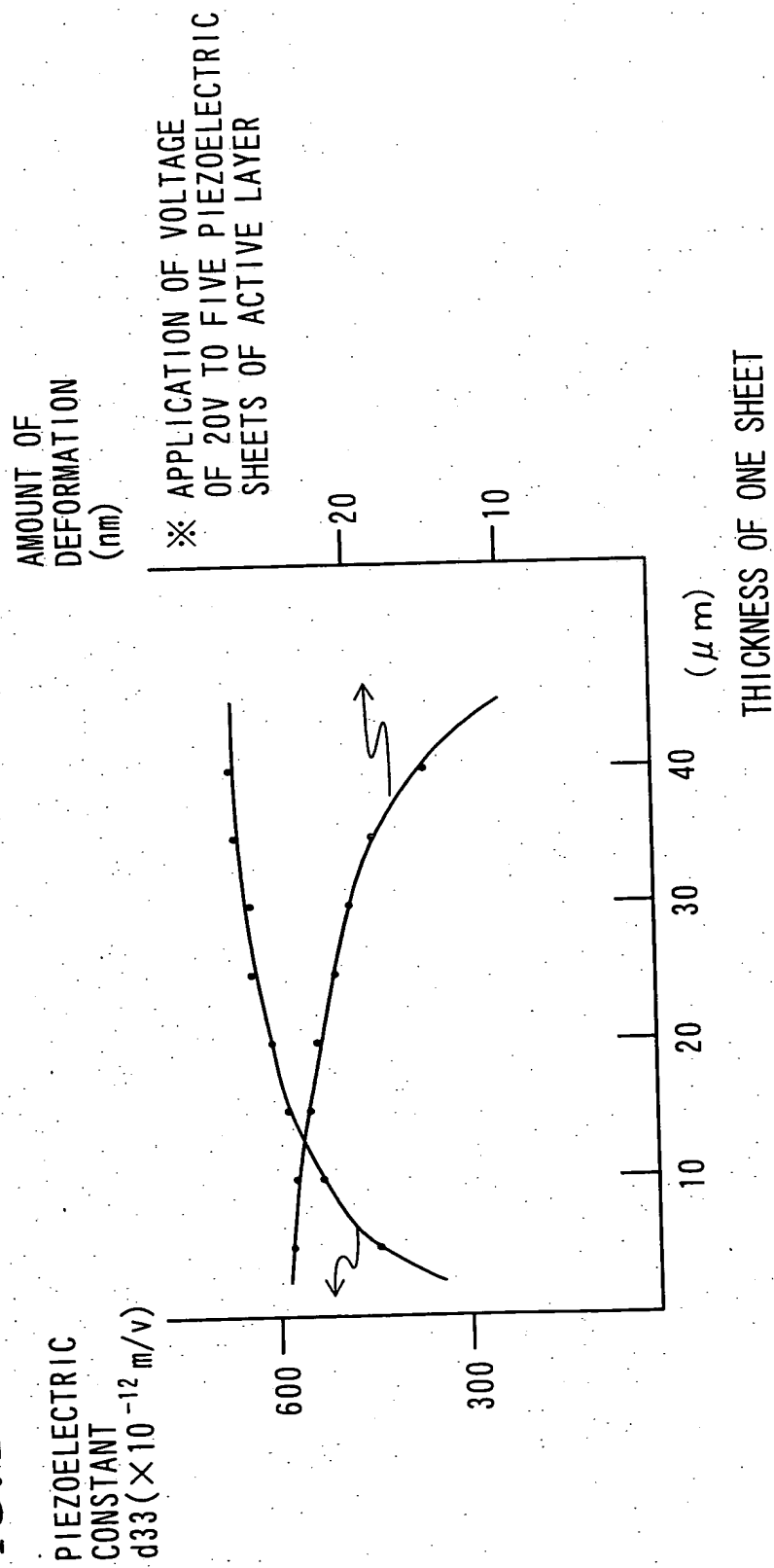
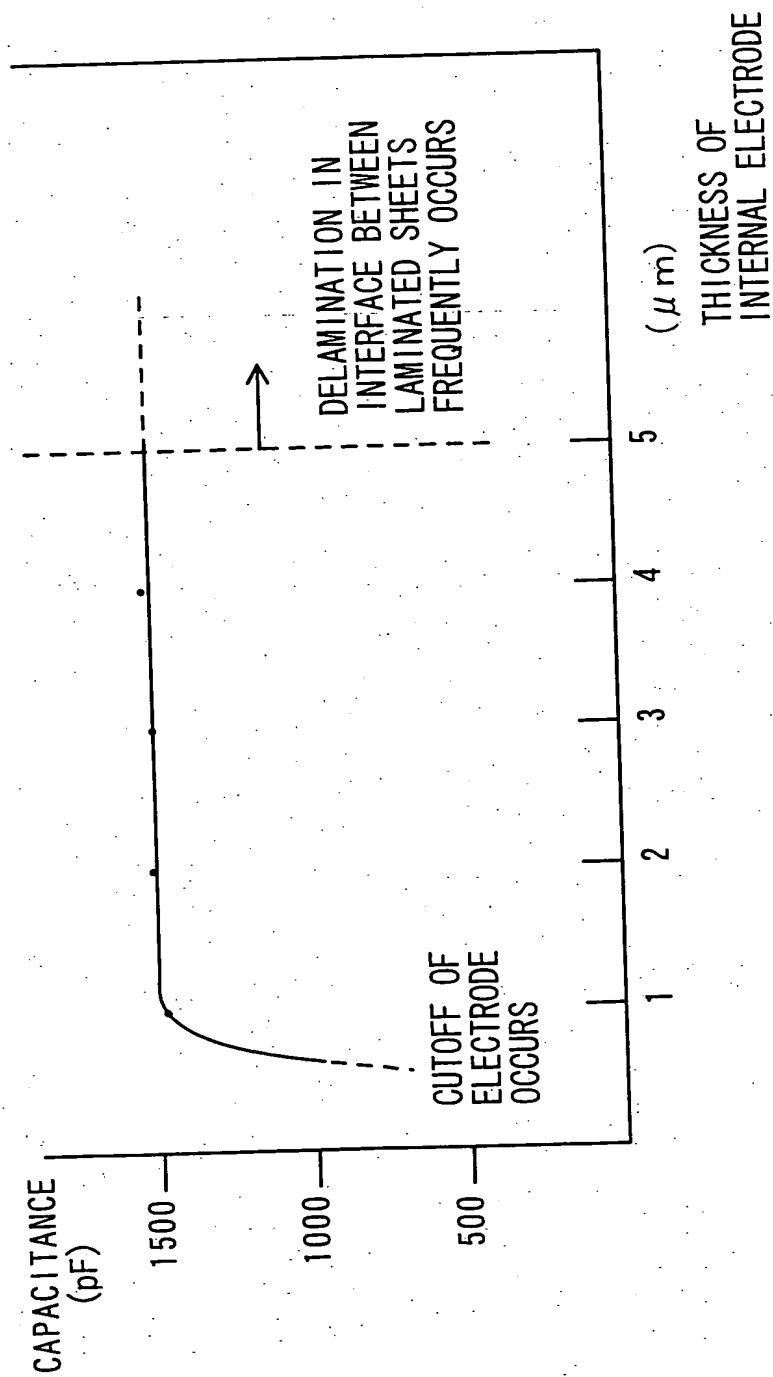


FIG.4



THICKNESS OF ONE PIEZOELECTRIC SHEET AND CHARACTERISTICS

FIG.5



THICKNESS OF INTERNAL ELECTRODE AND CAPACITANCE

FIG. 6

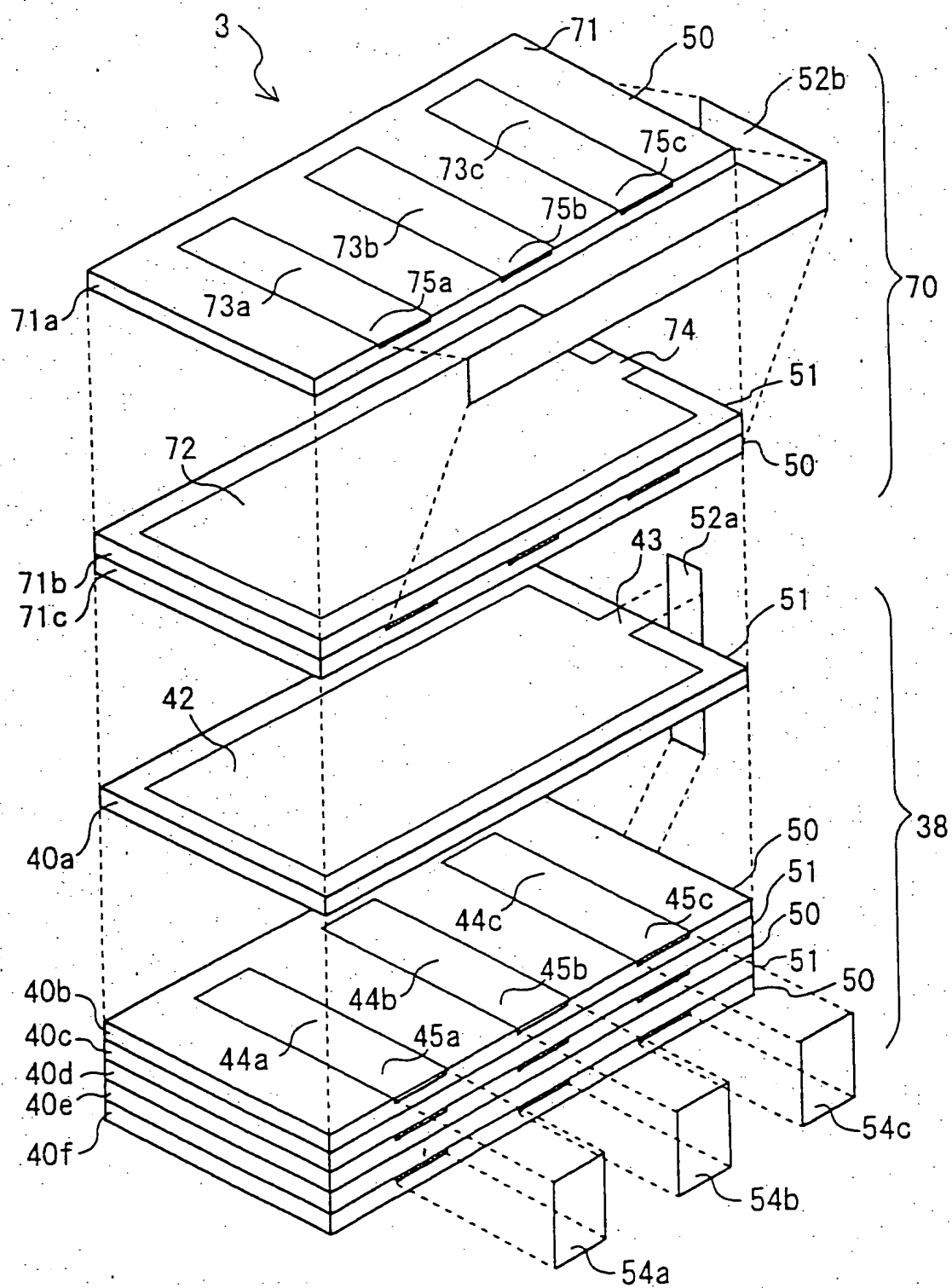


FIG. 7

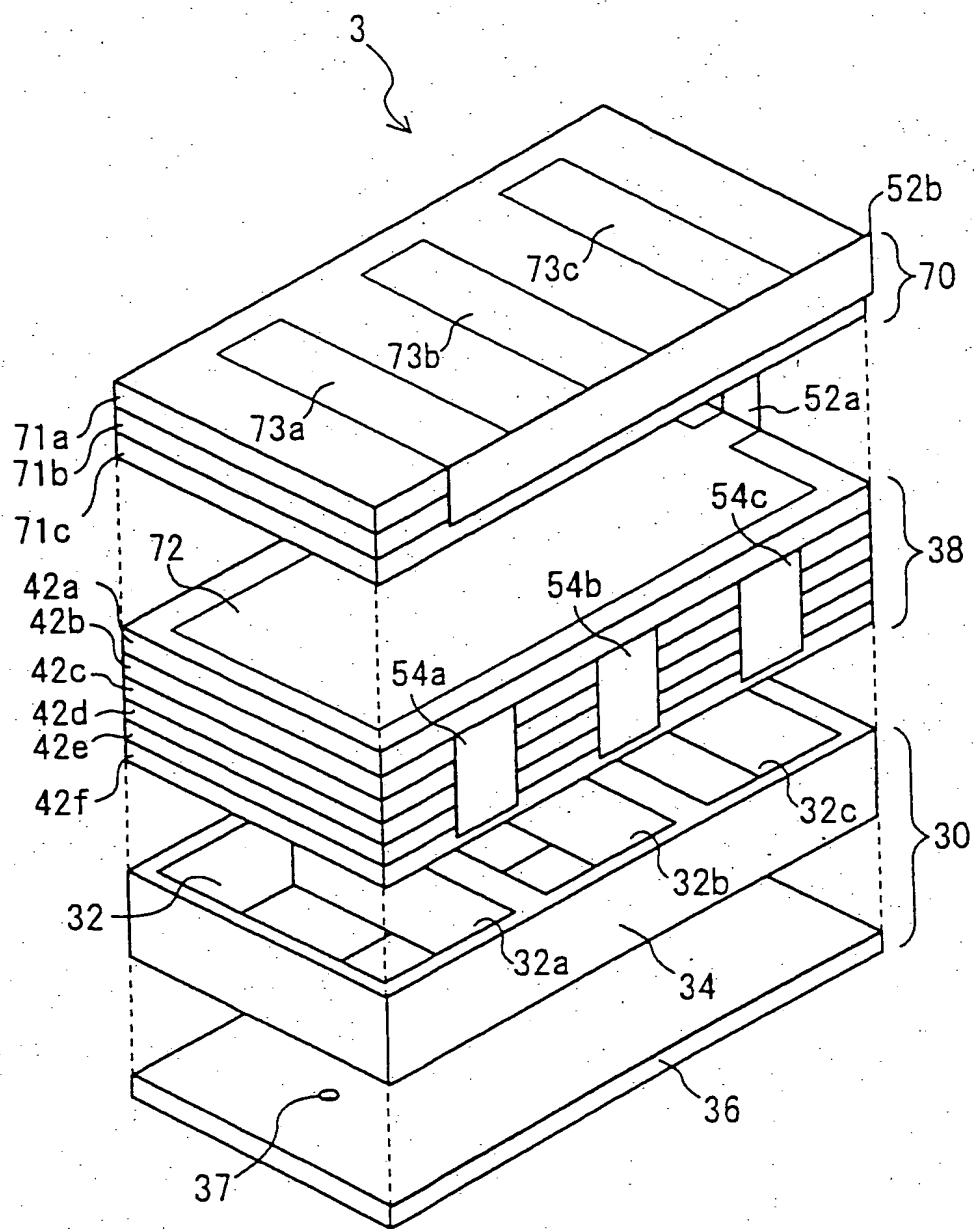


FIG. 8

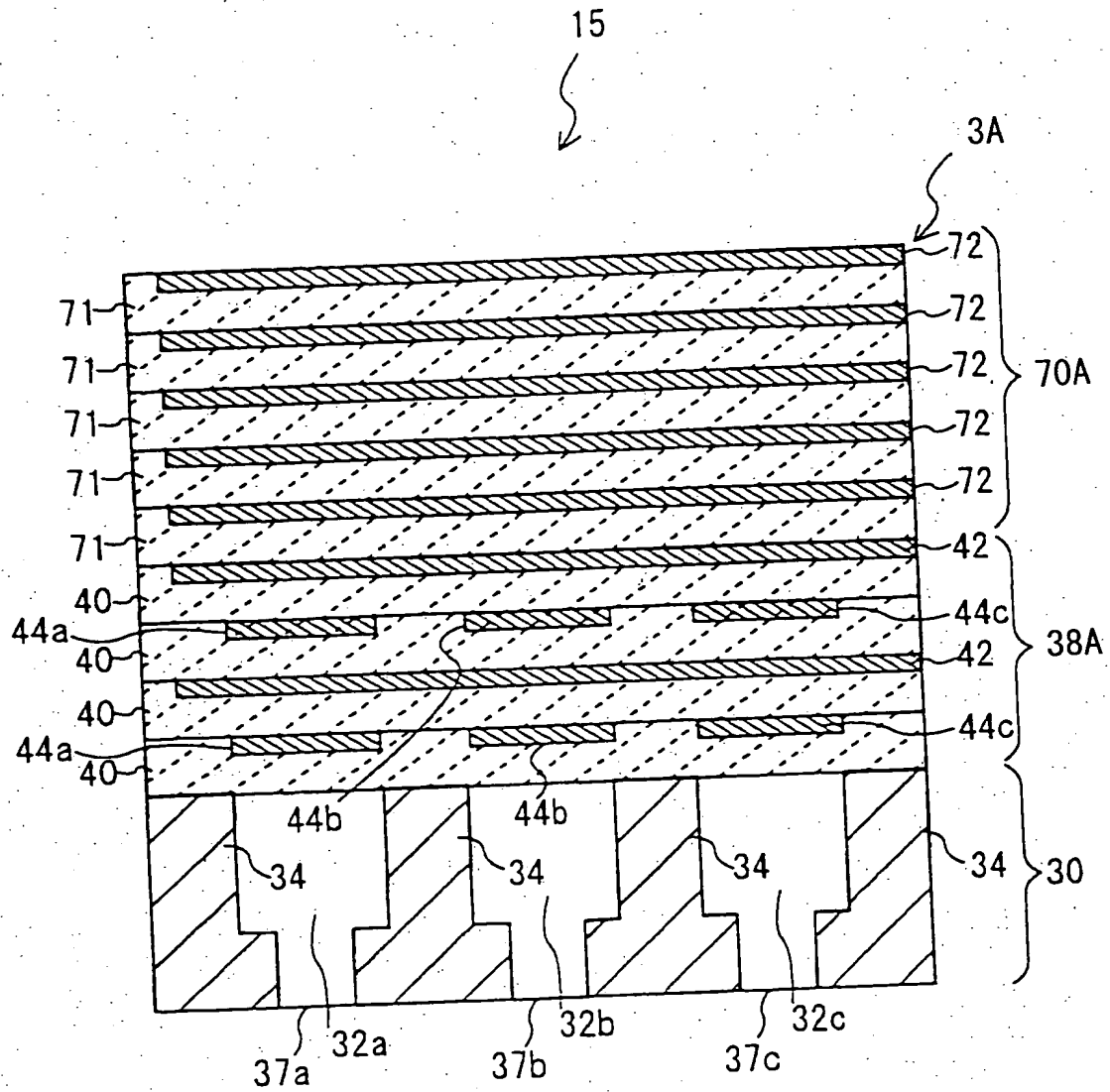




FIG.9

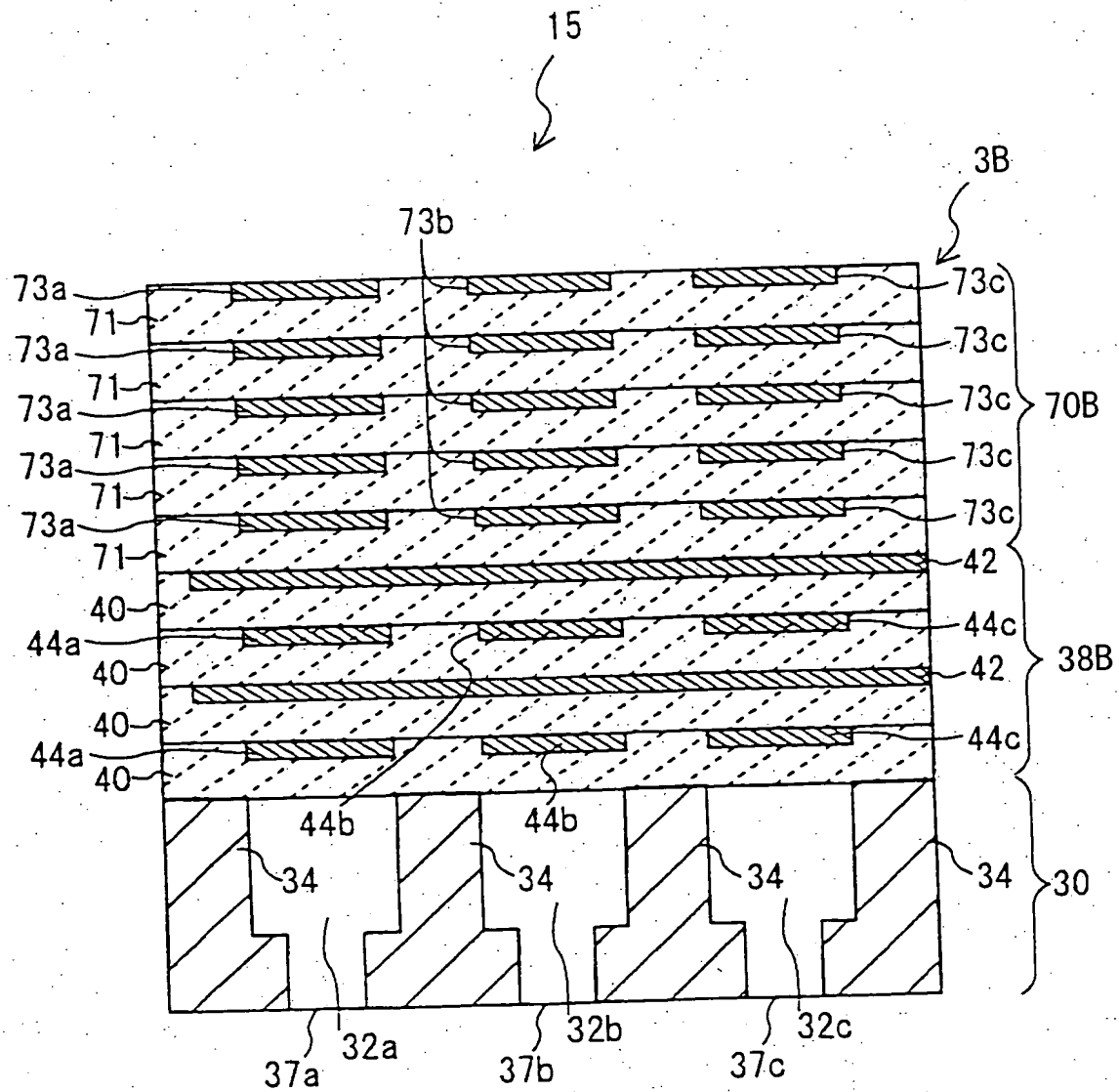


FIG.10

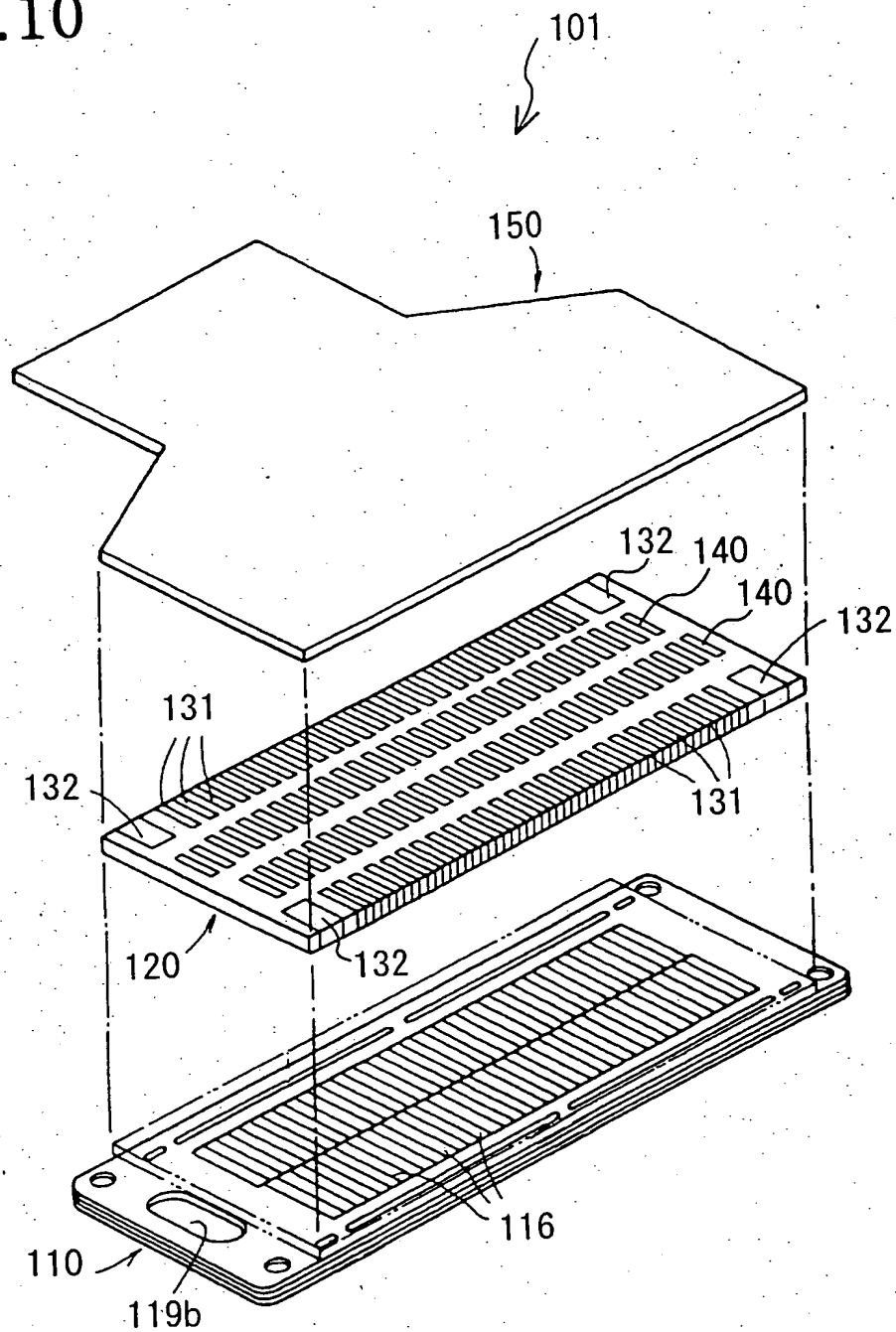


FIG.11

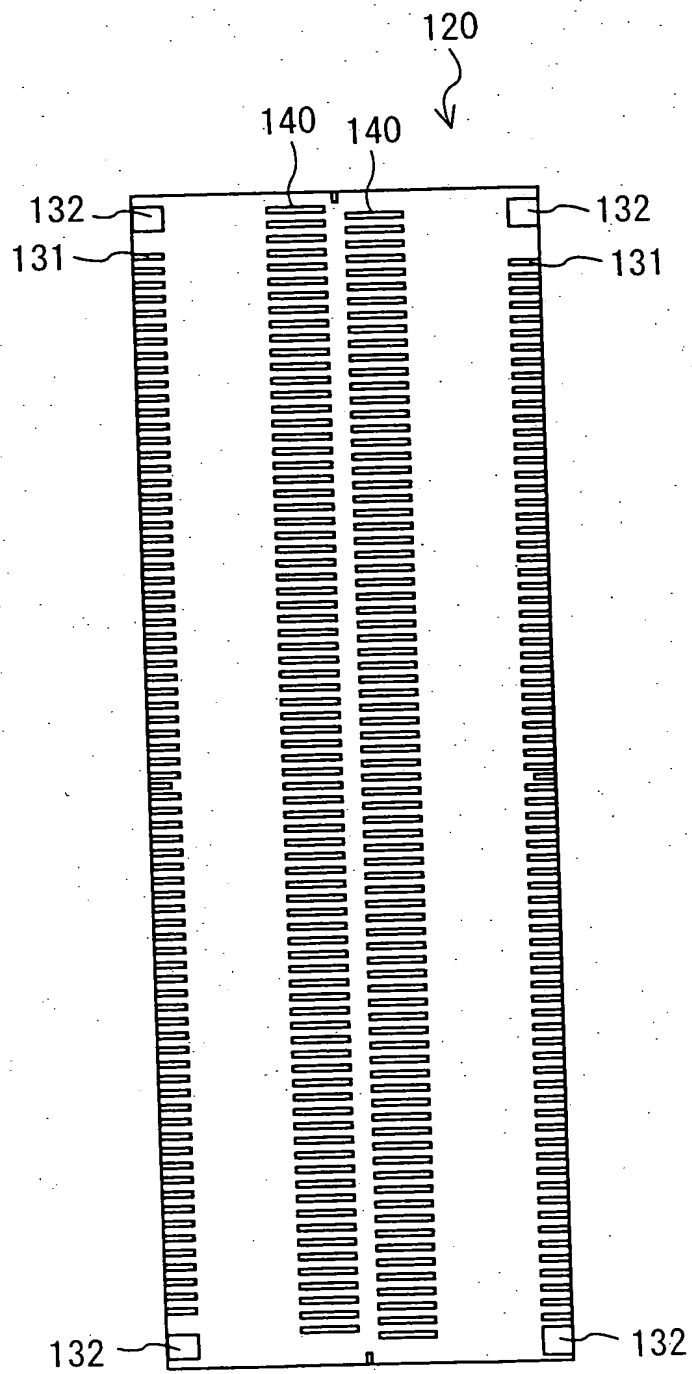


FIG.12

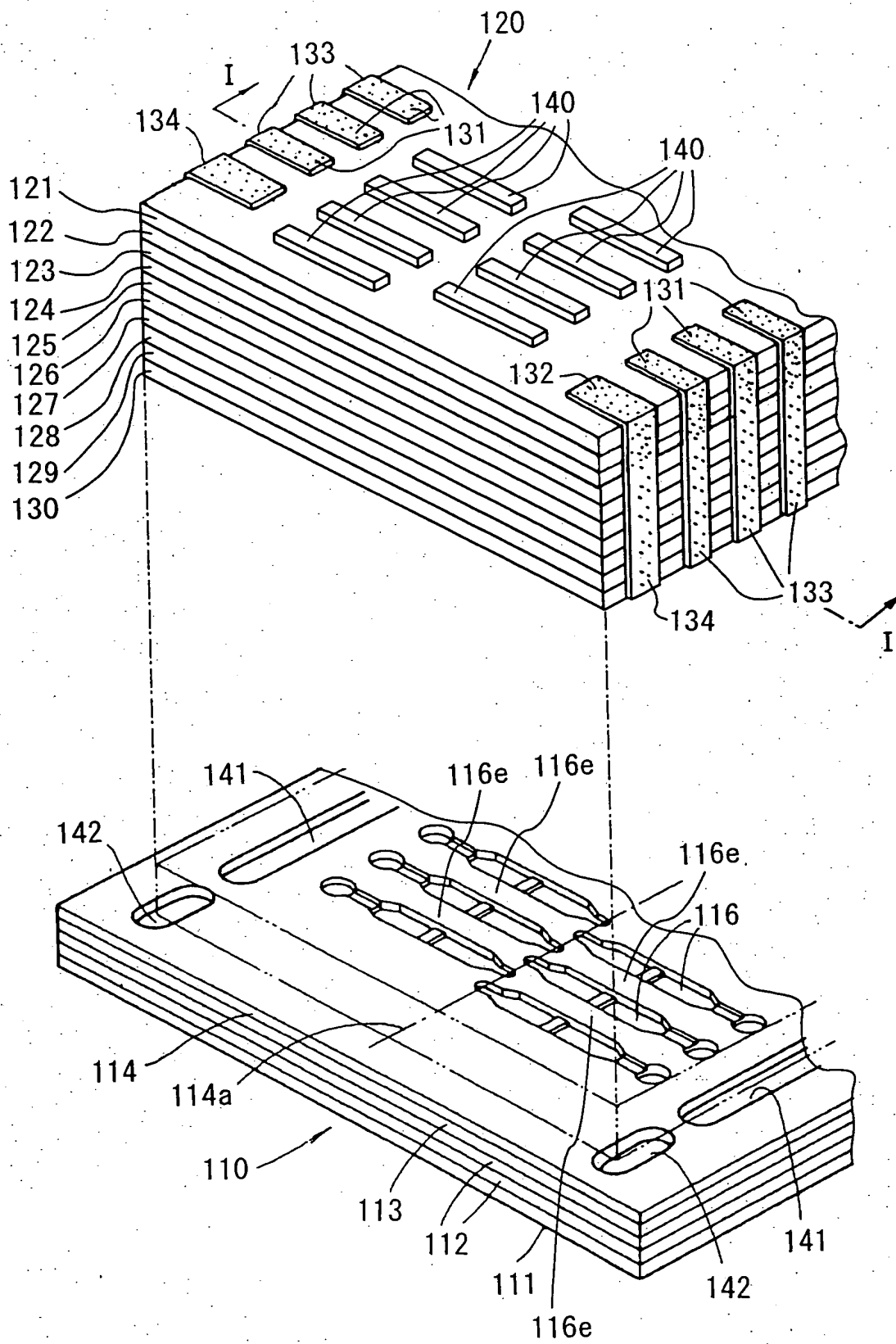


FIG.13

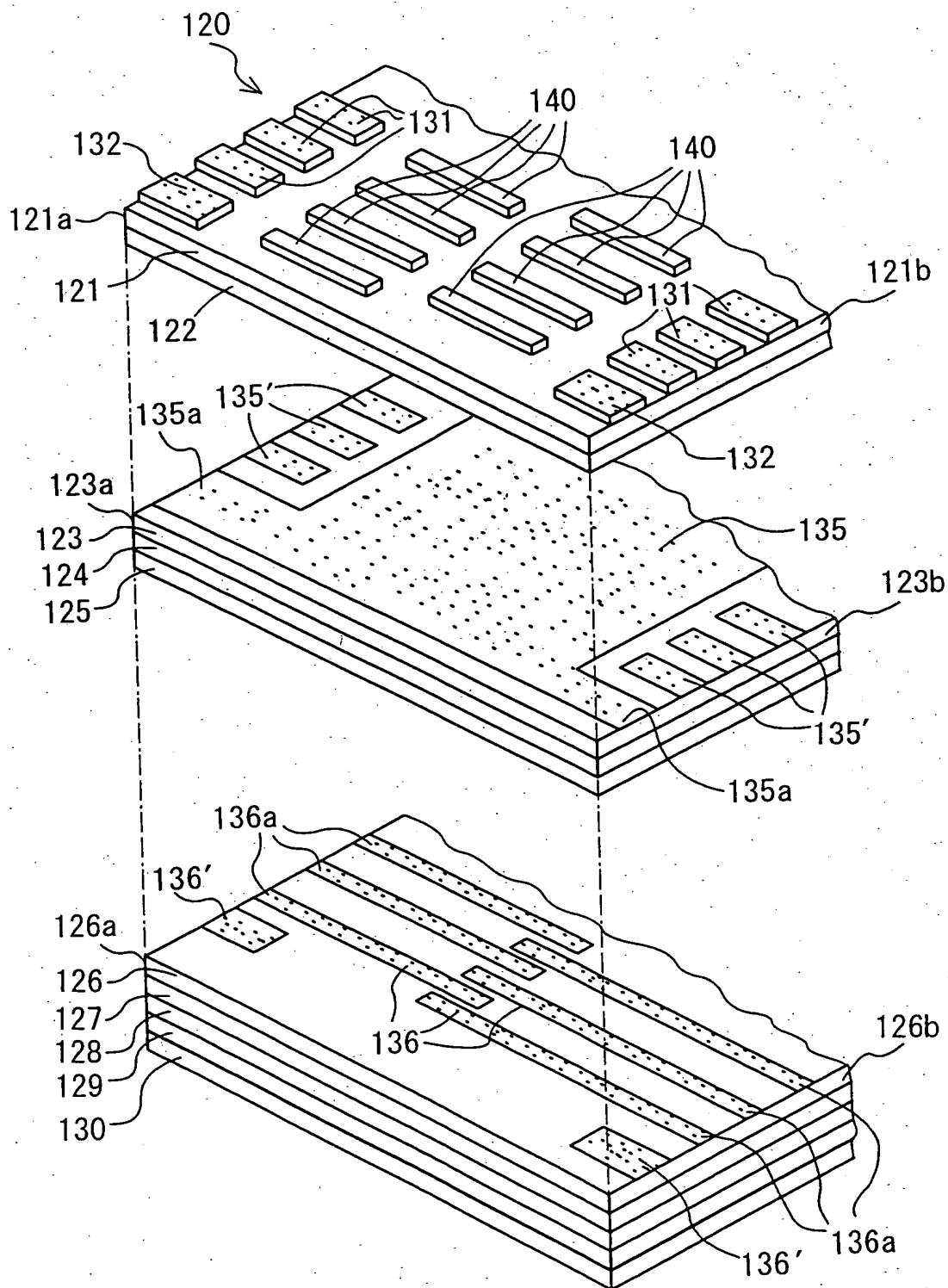


FIG.14

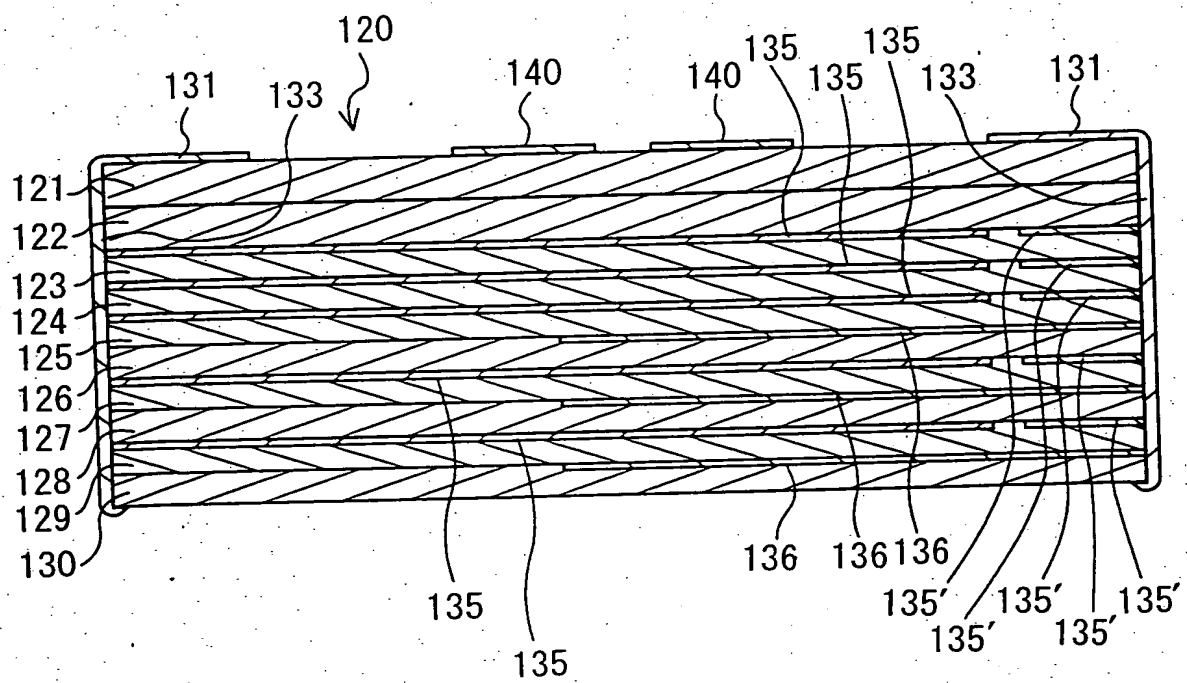


FIG.15

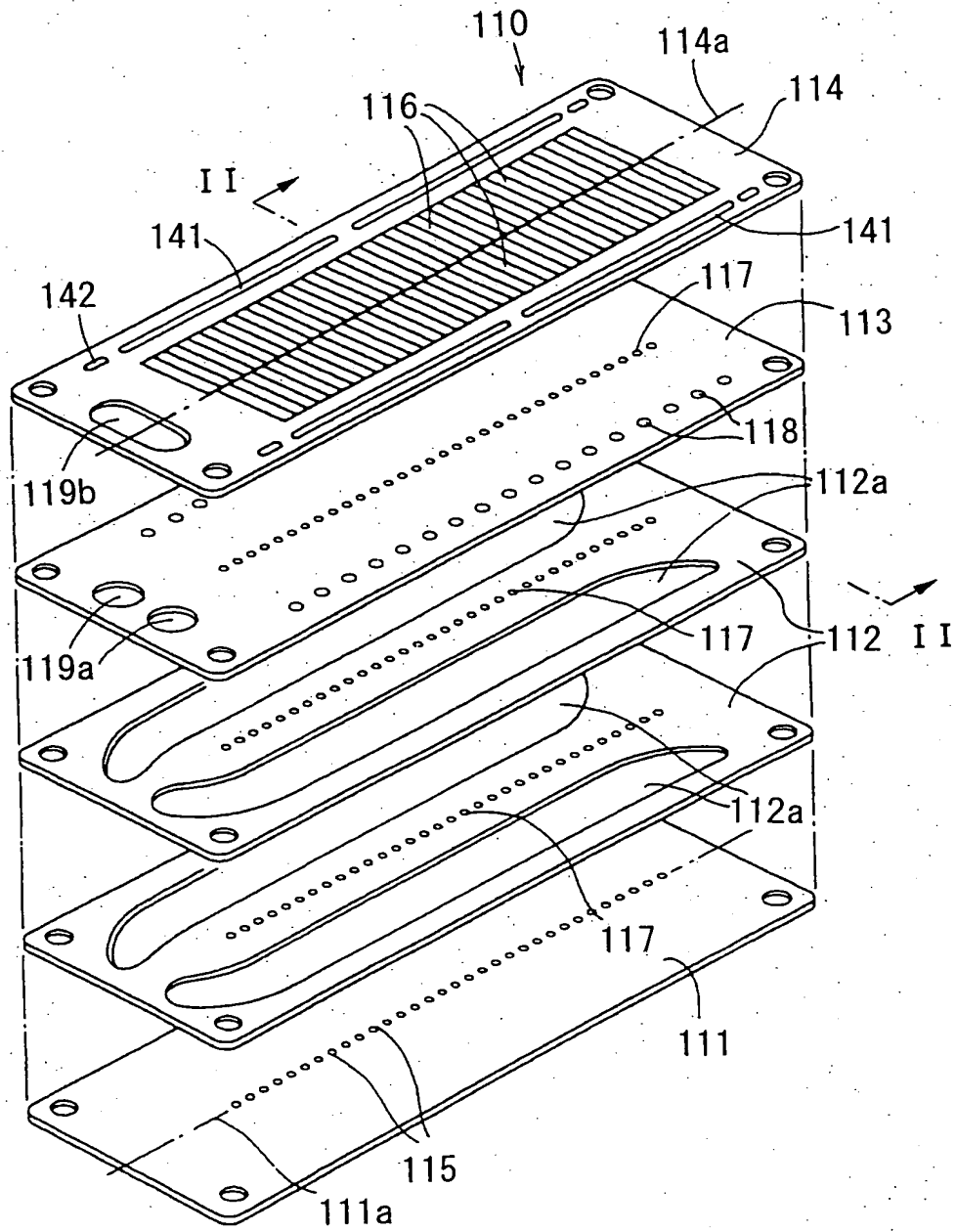


FIG. 16

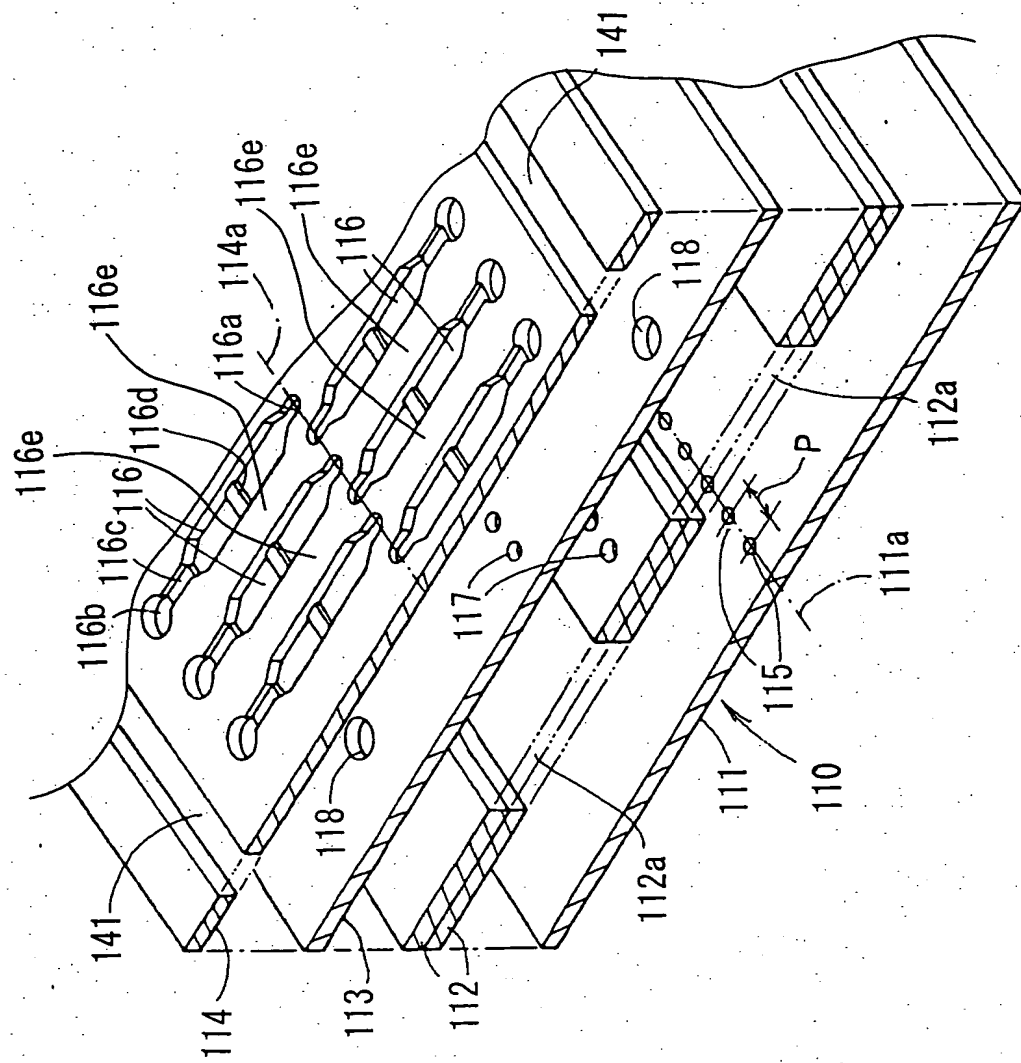




FIG.17

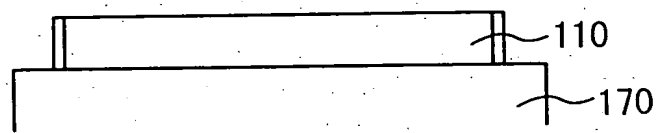


FIG.18

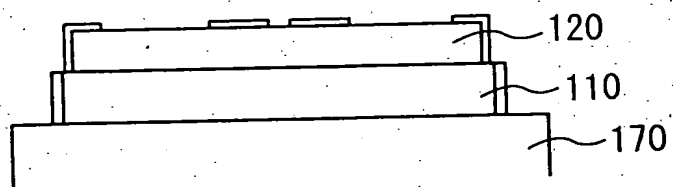


FIG.19

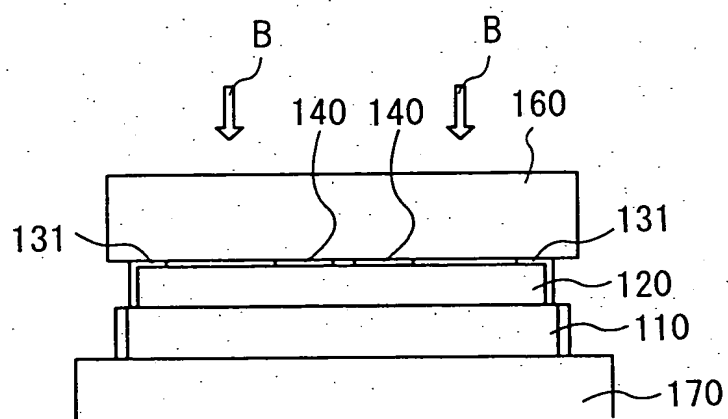


FIG. 20

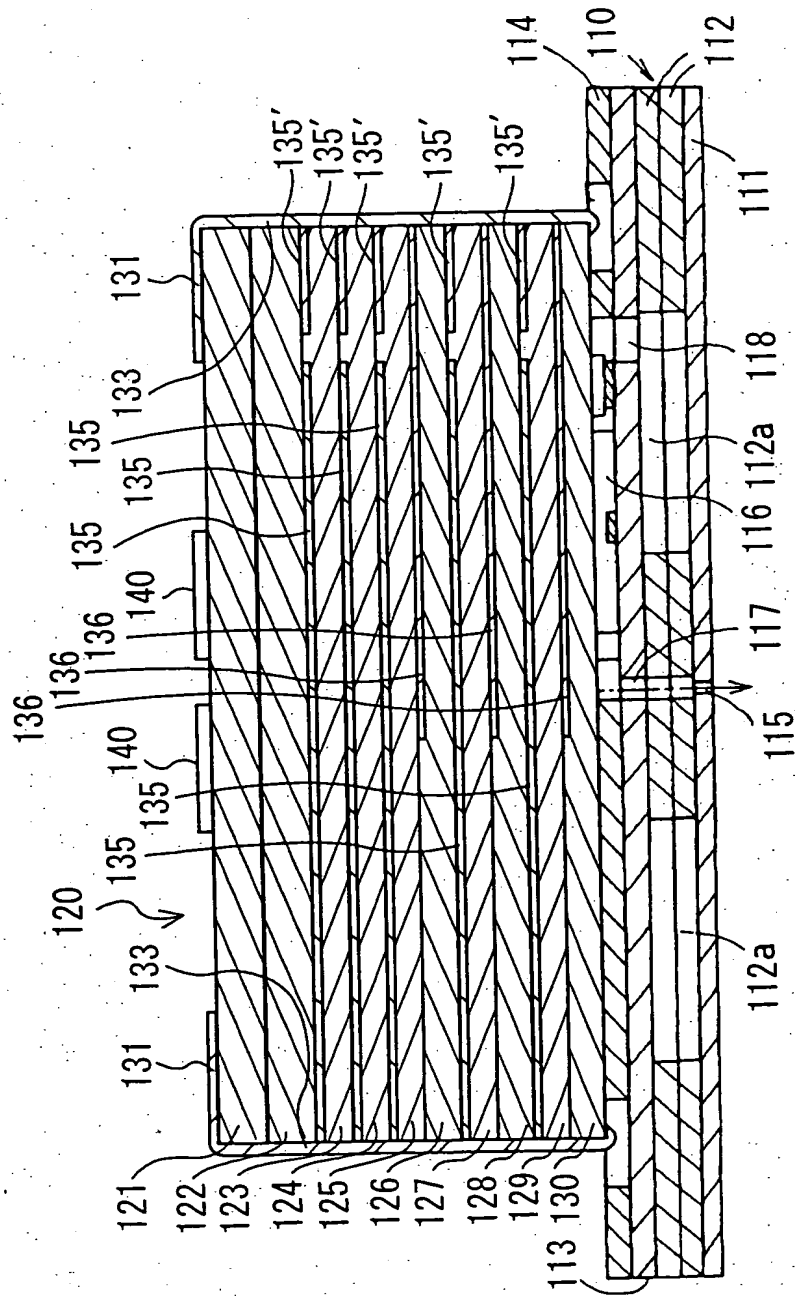


FIG.21

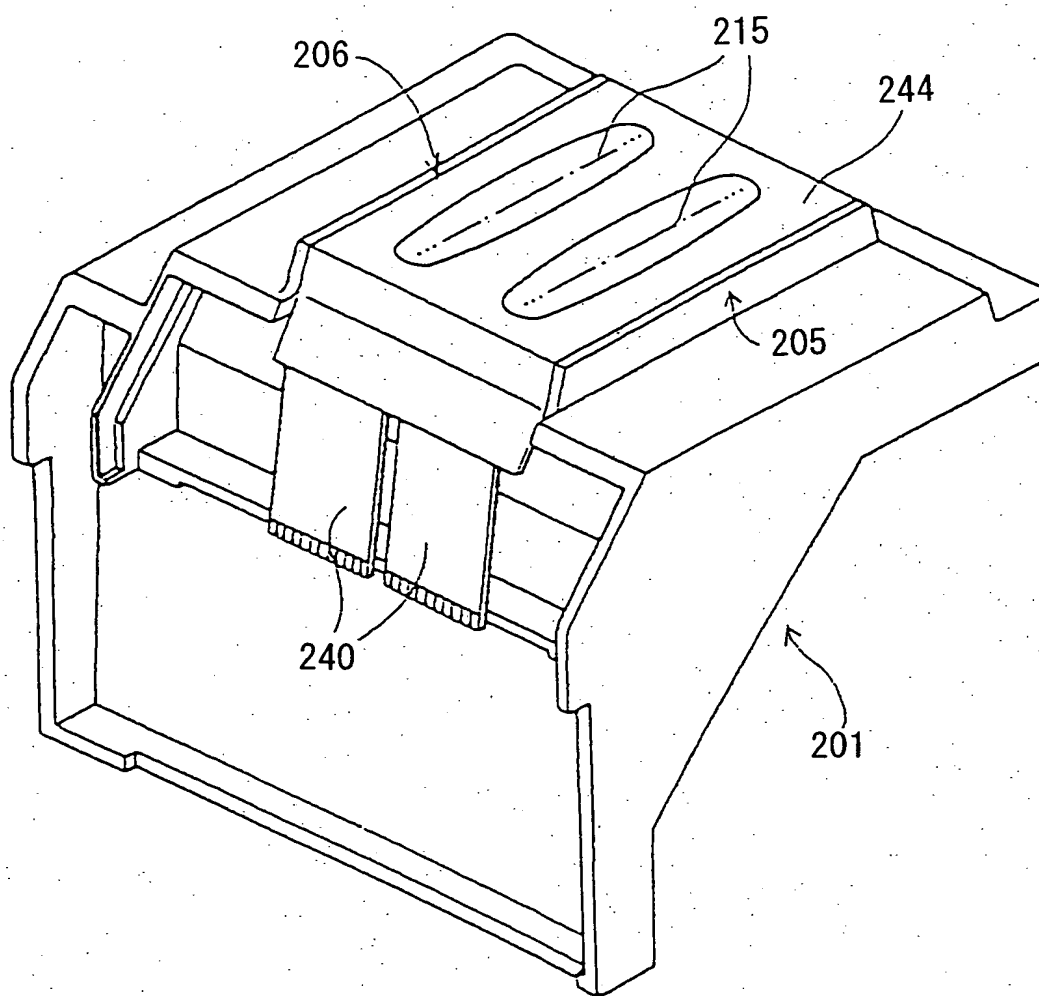


FIG.22

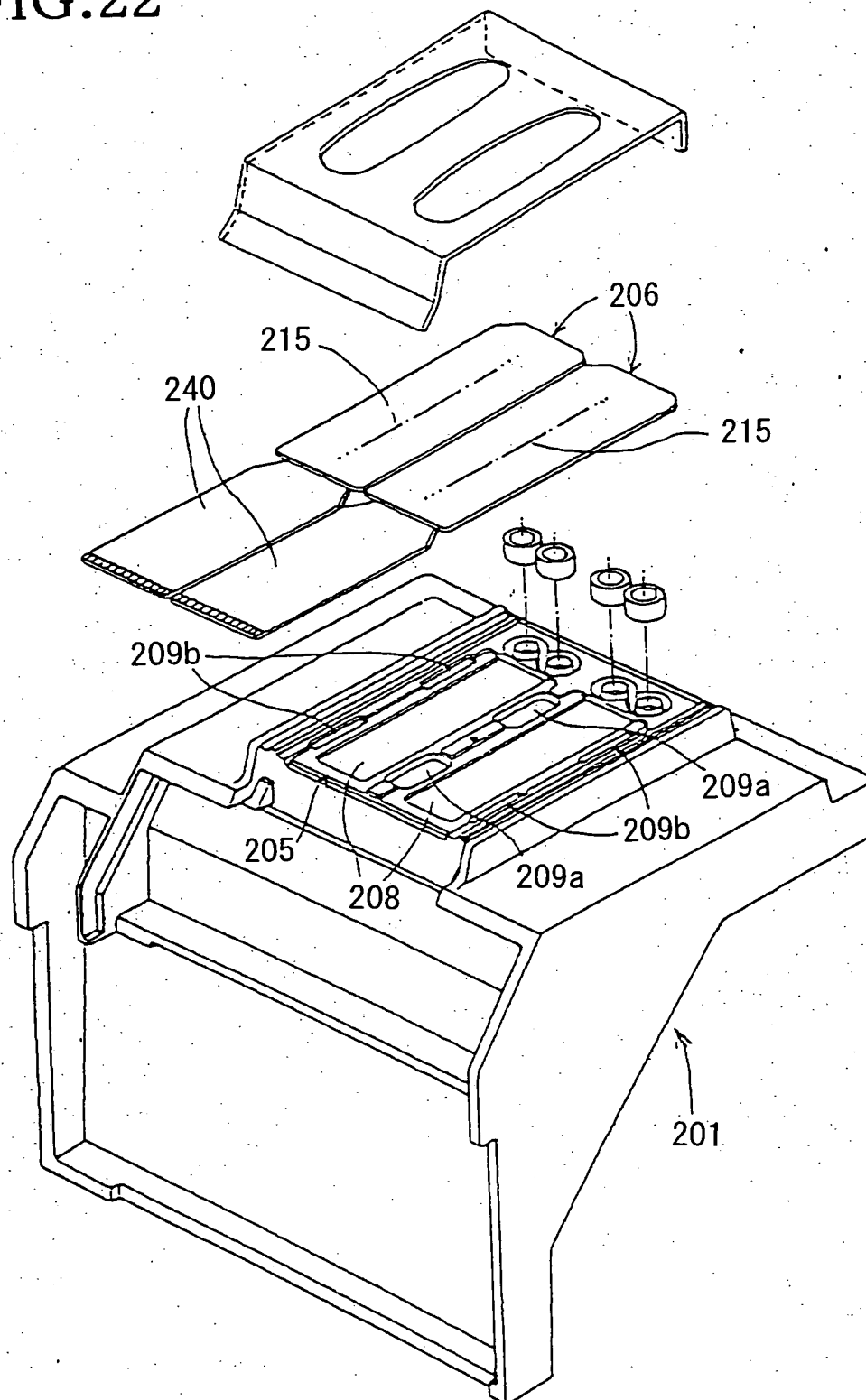


FIG. 23

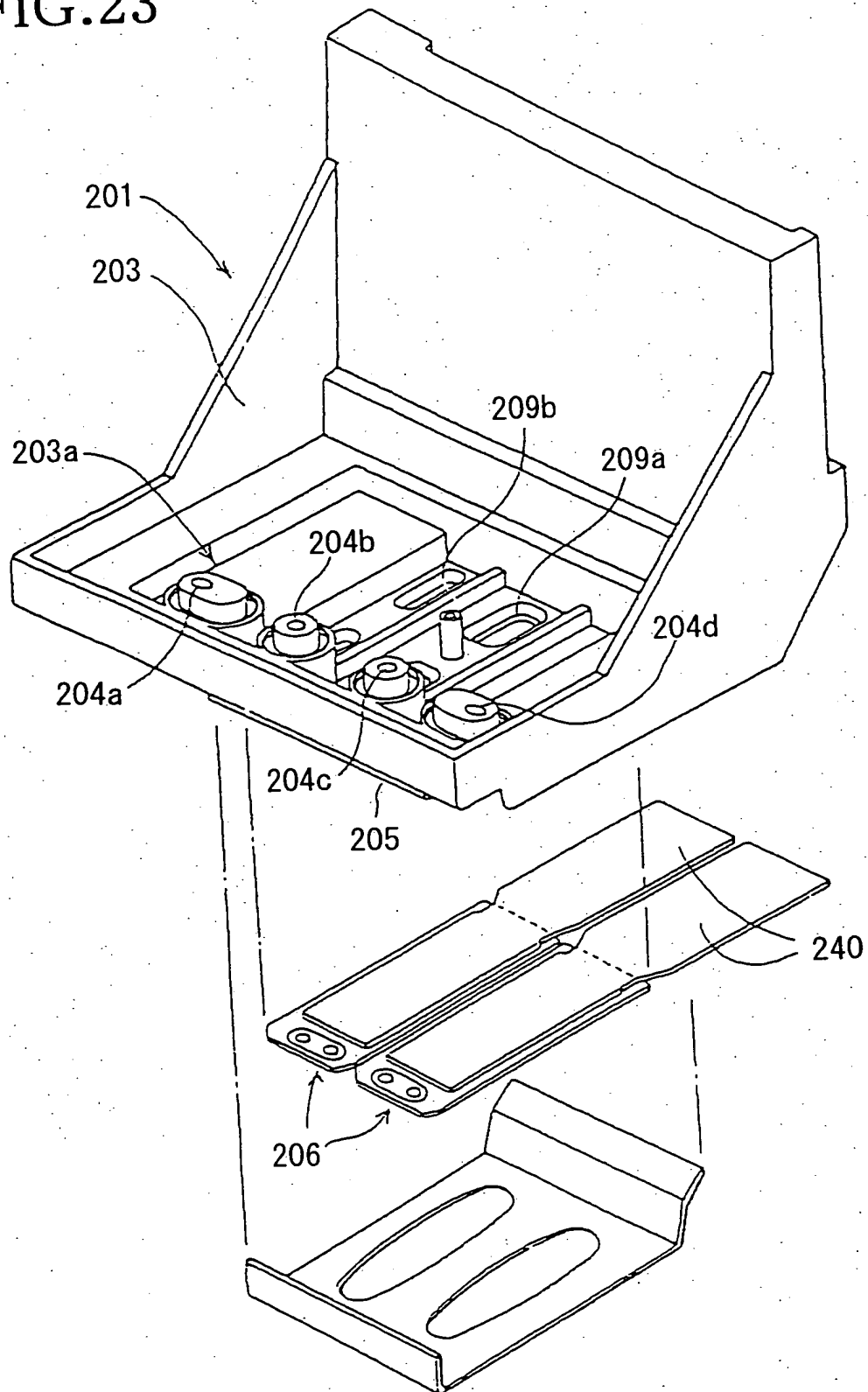


FIG.24

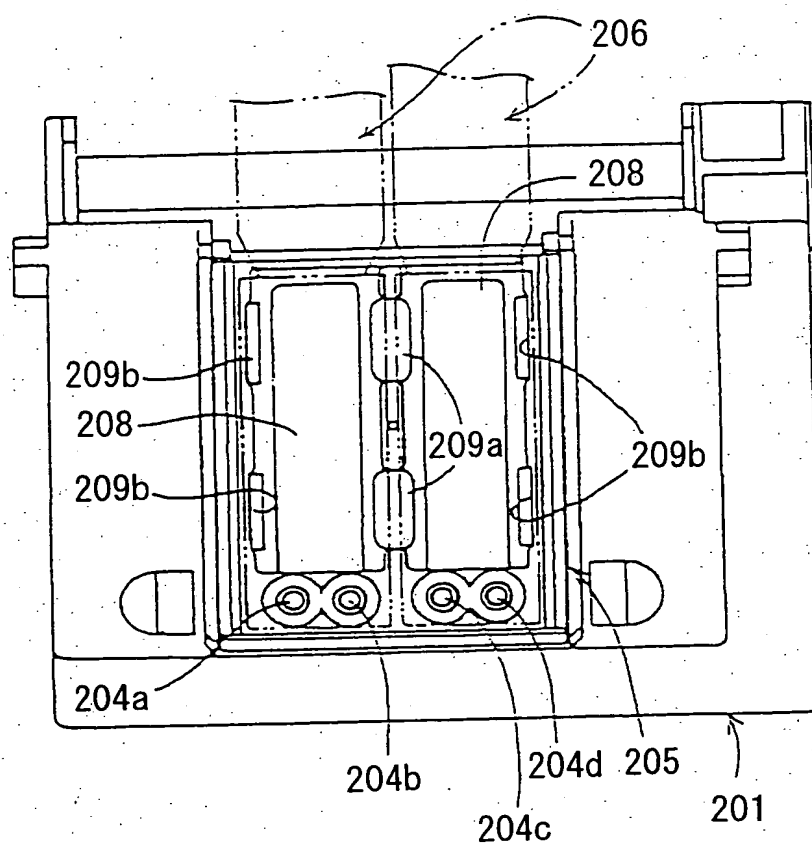




FIG.25

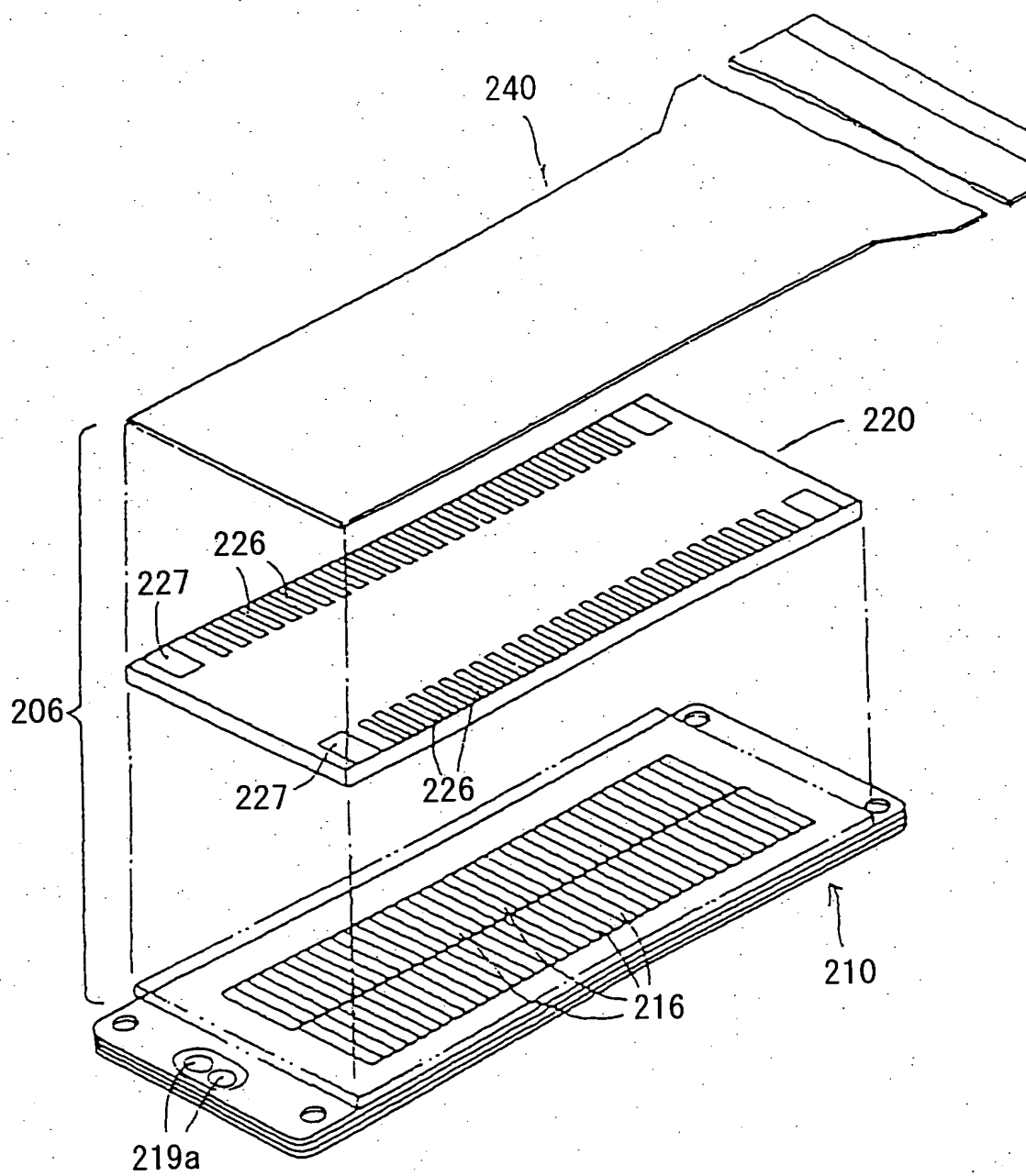


FIG. 26

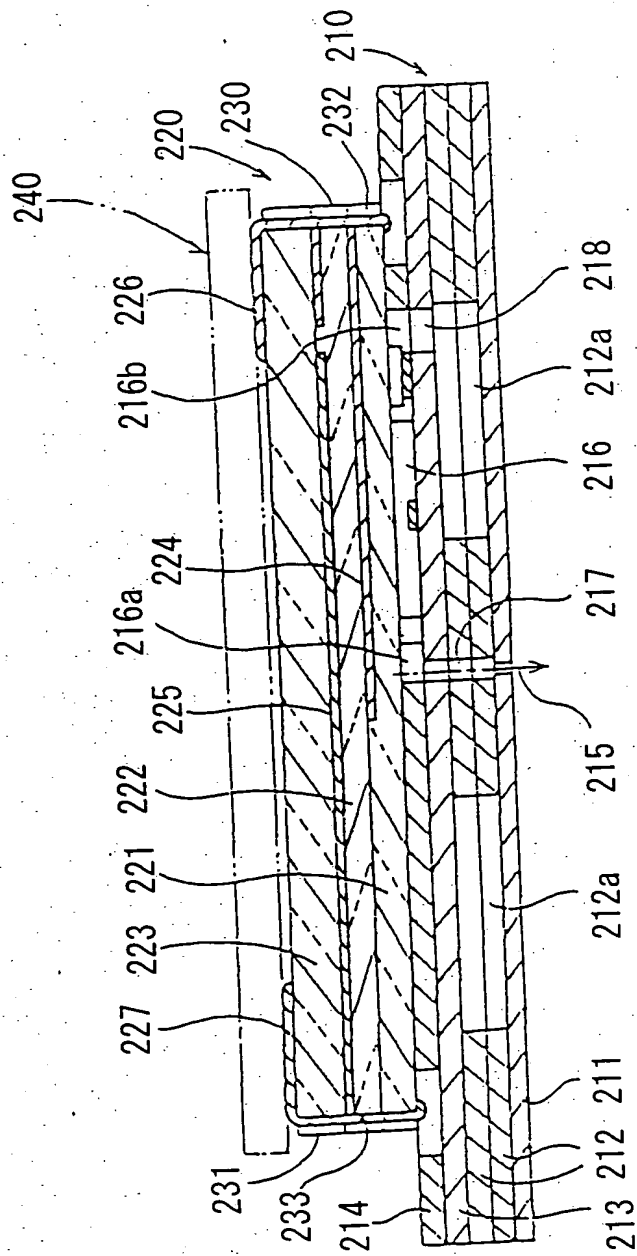


FIG.27

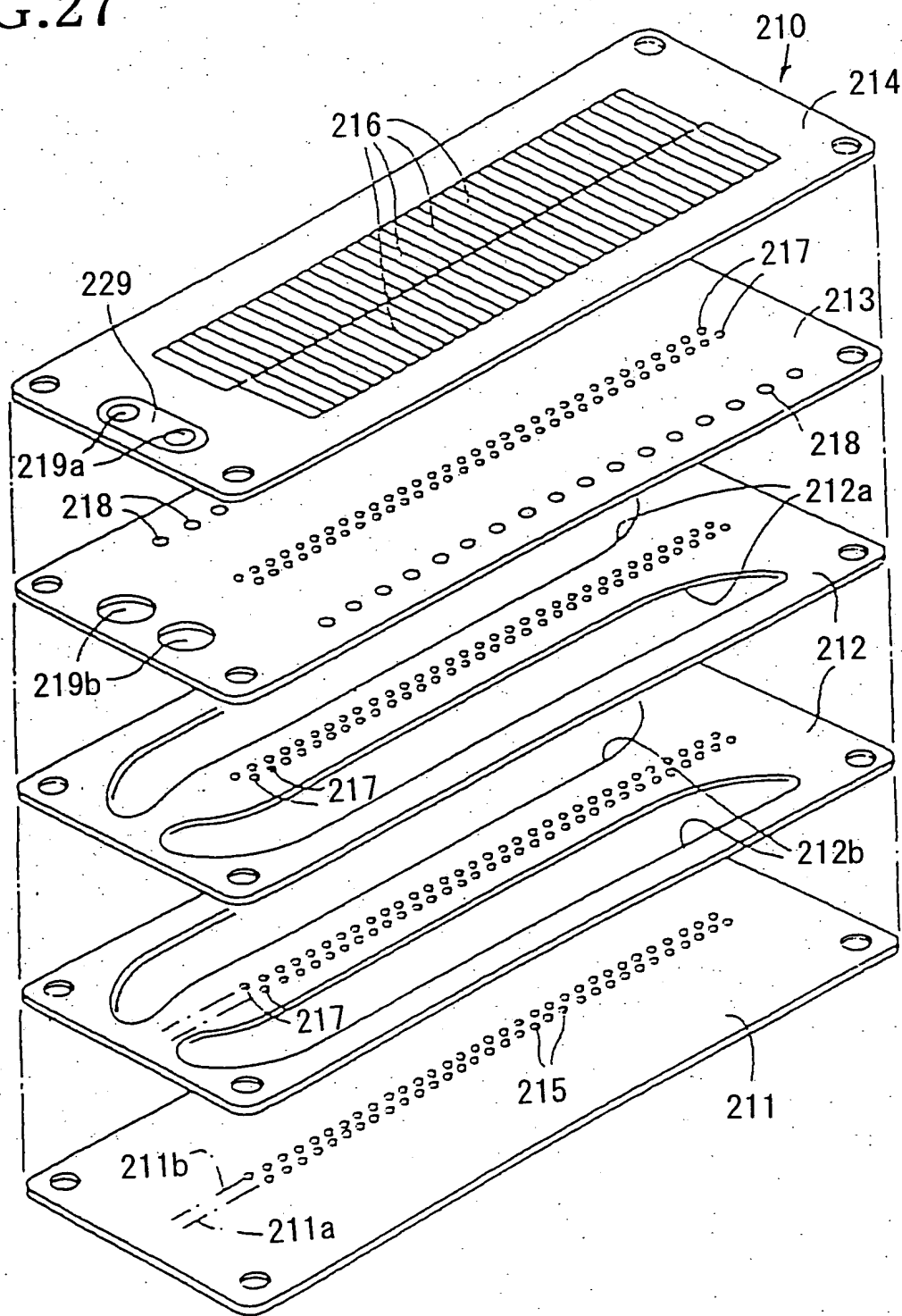


FIG.28

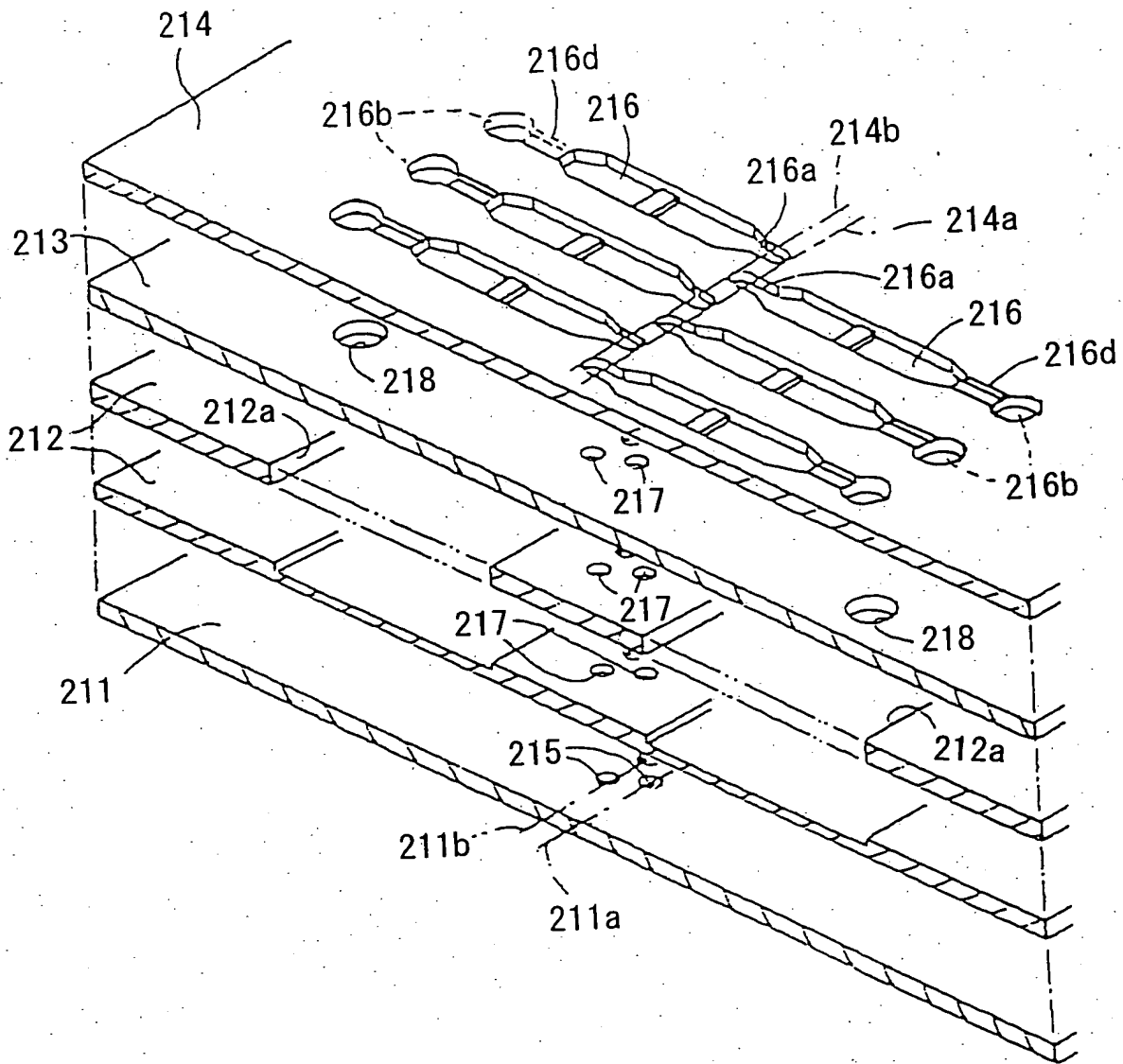


FIG. 29

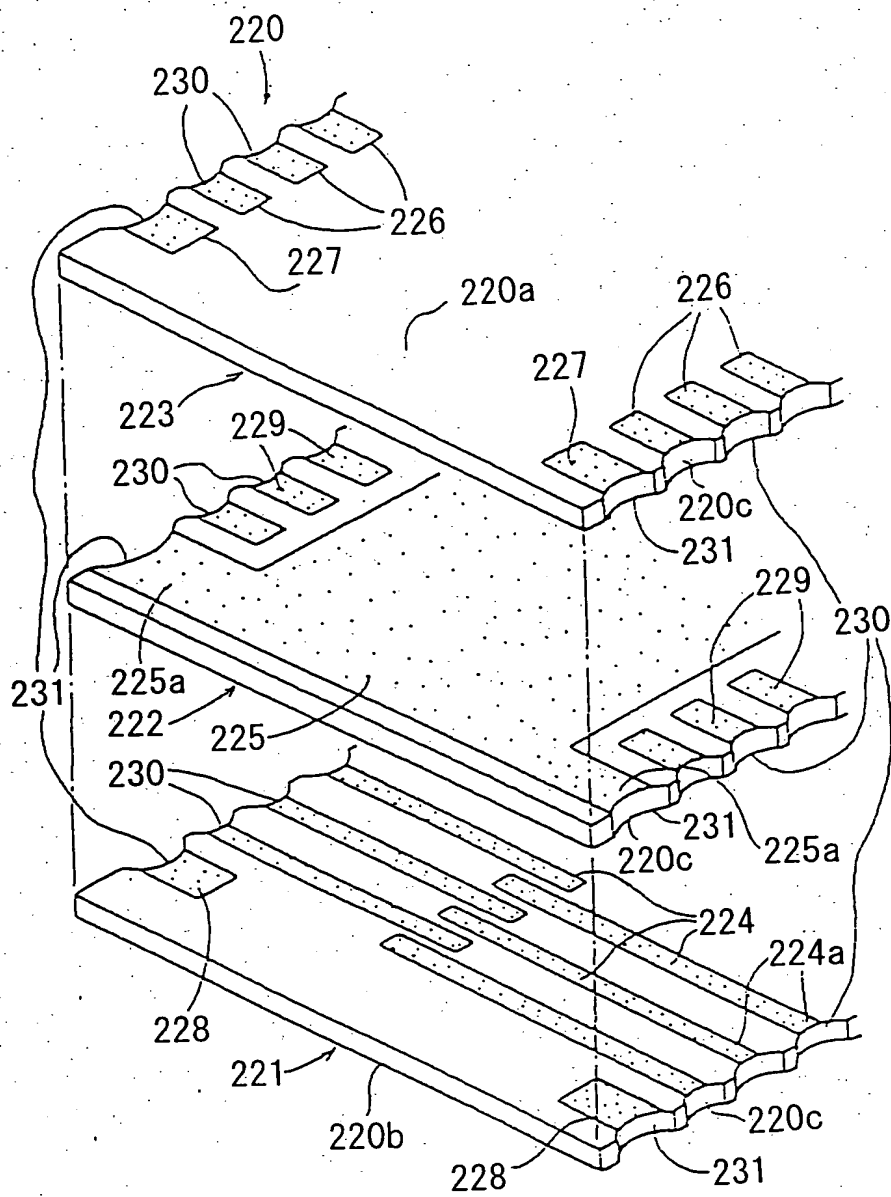


FIG.30A

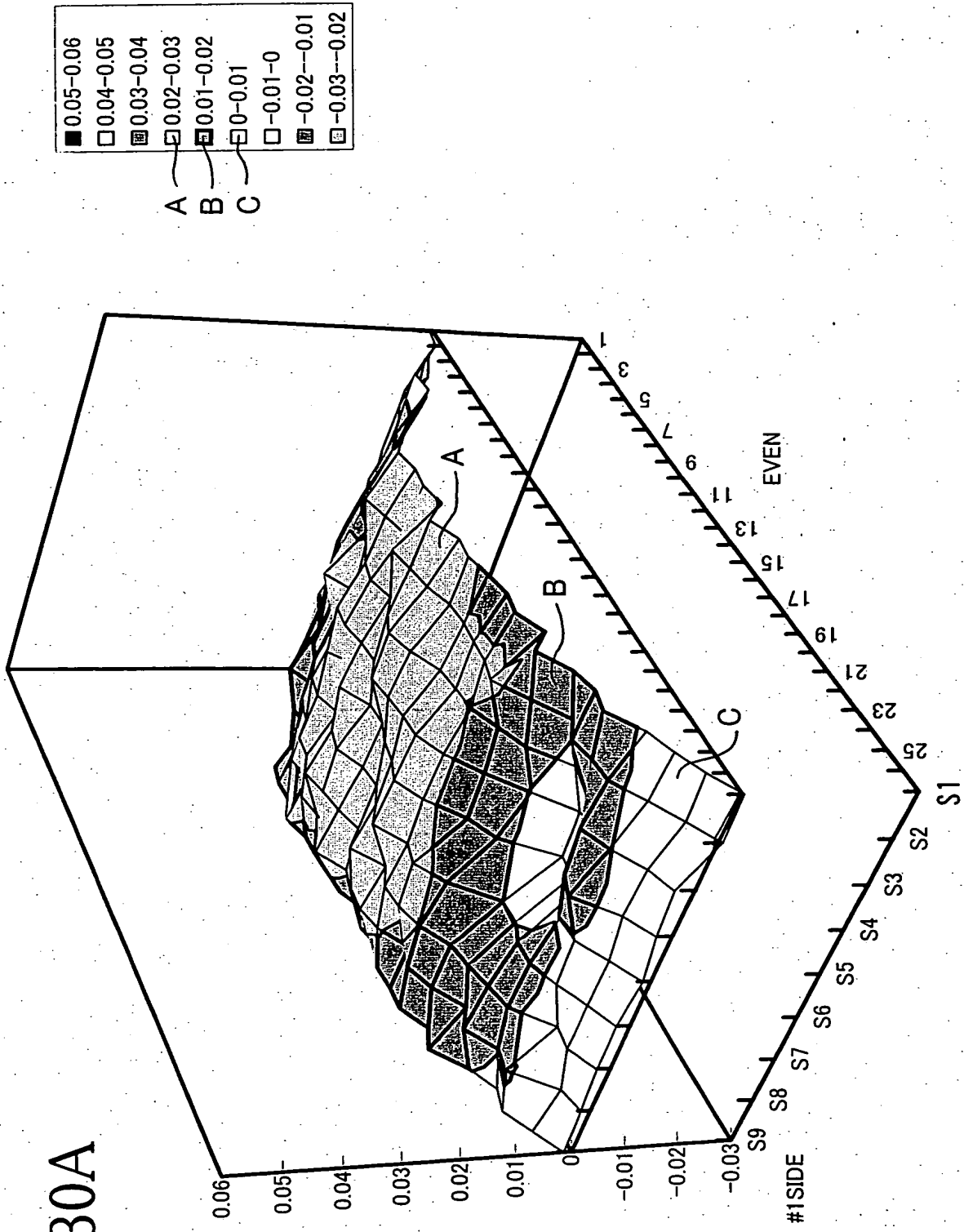


FIG. 30B

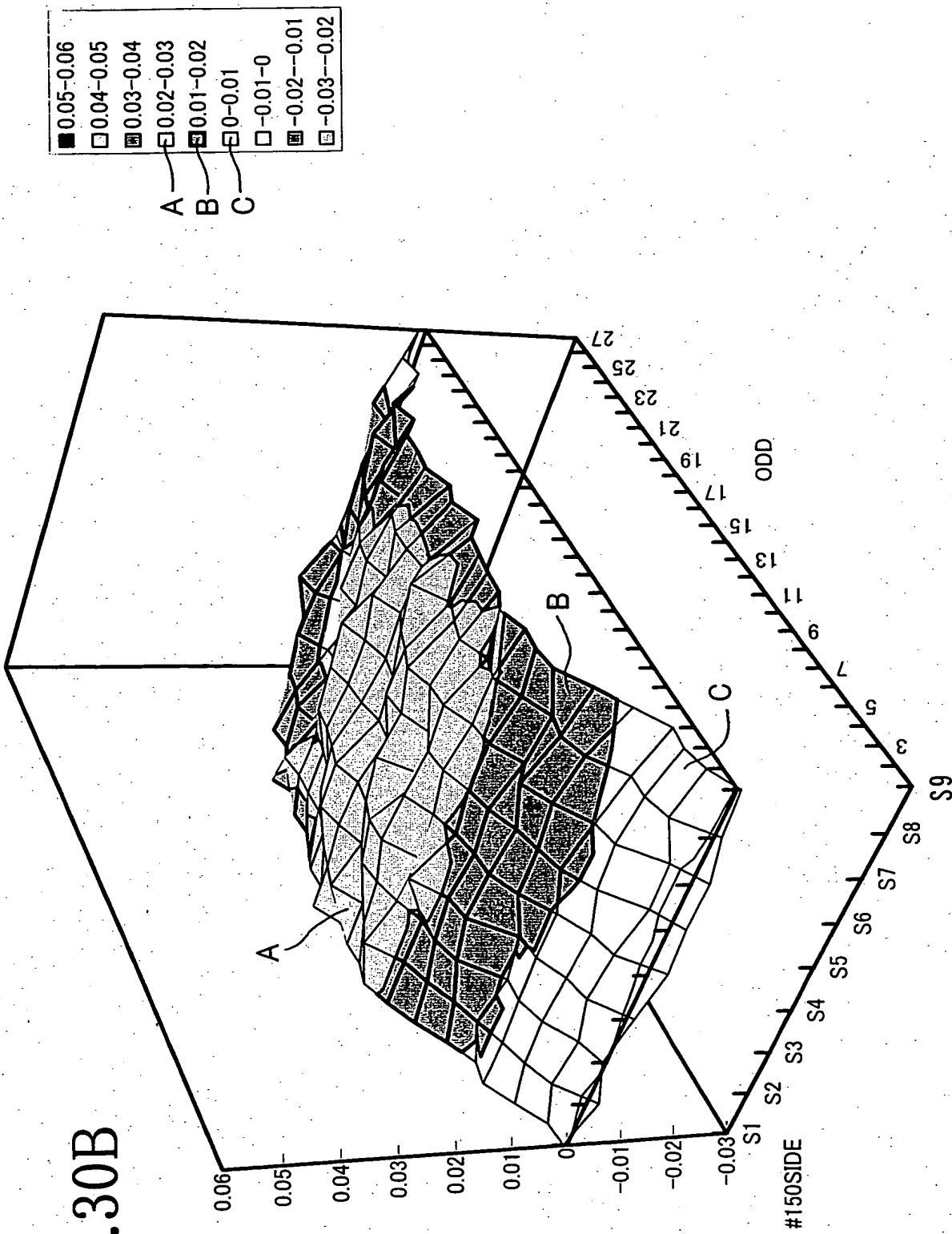


FIG.31A

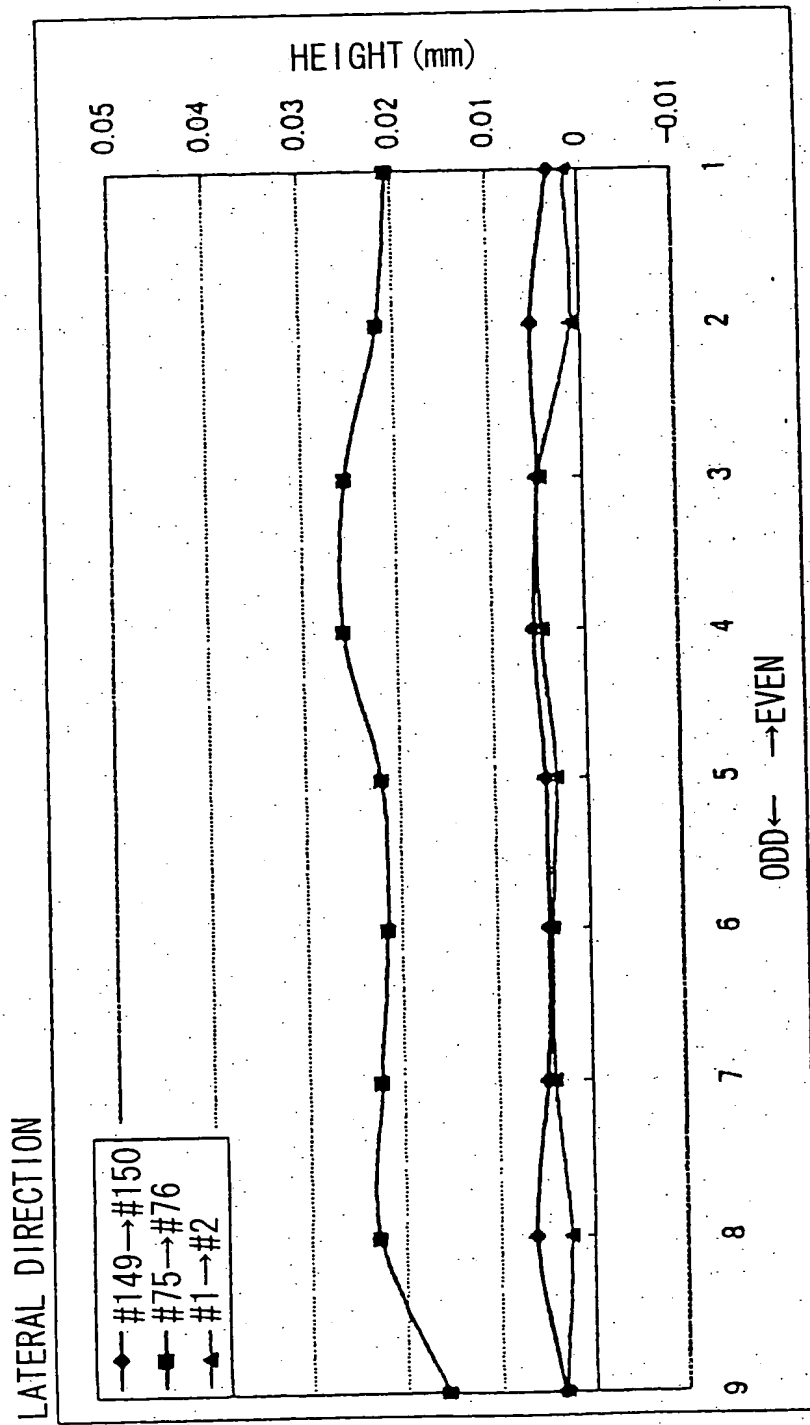
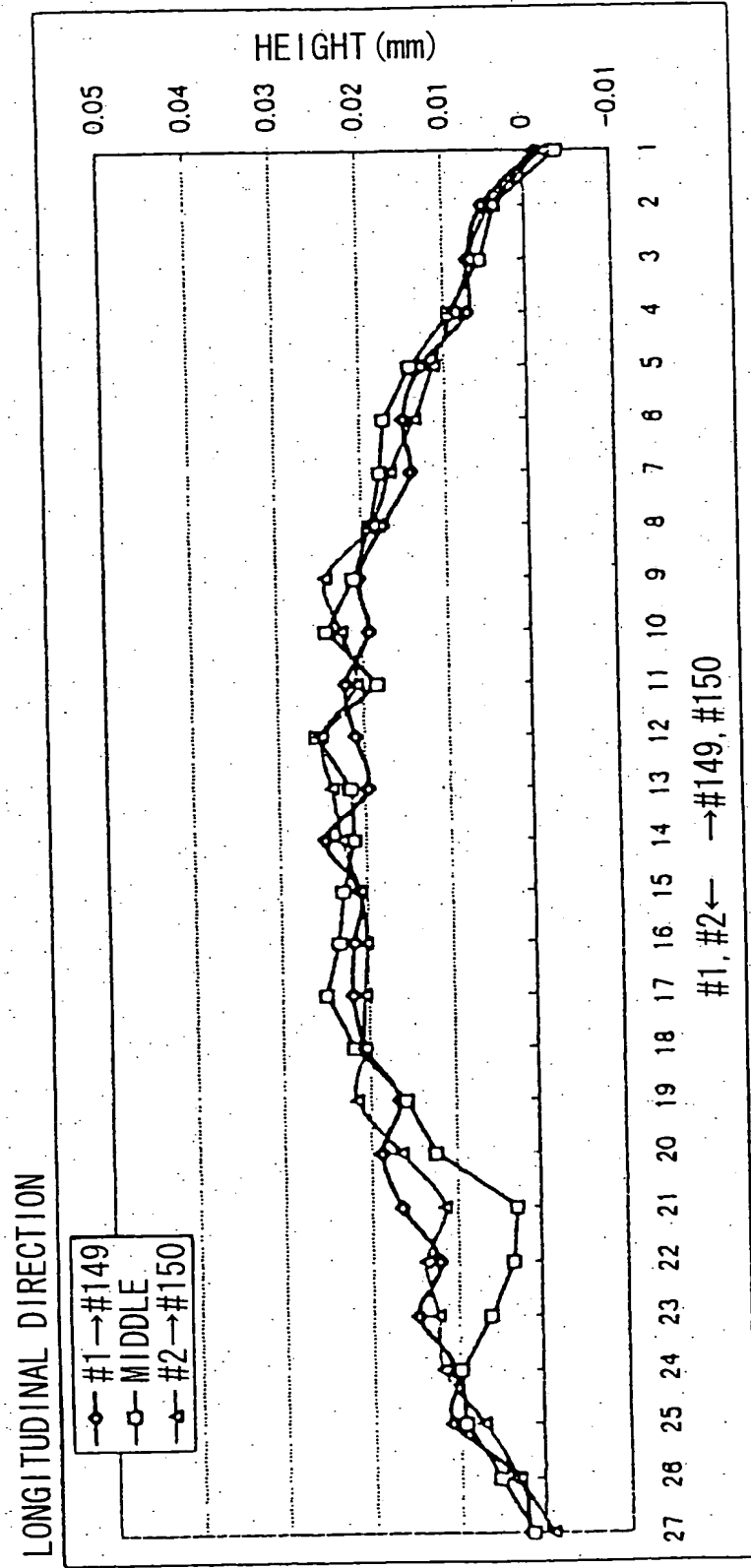


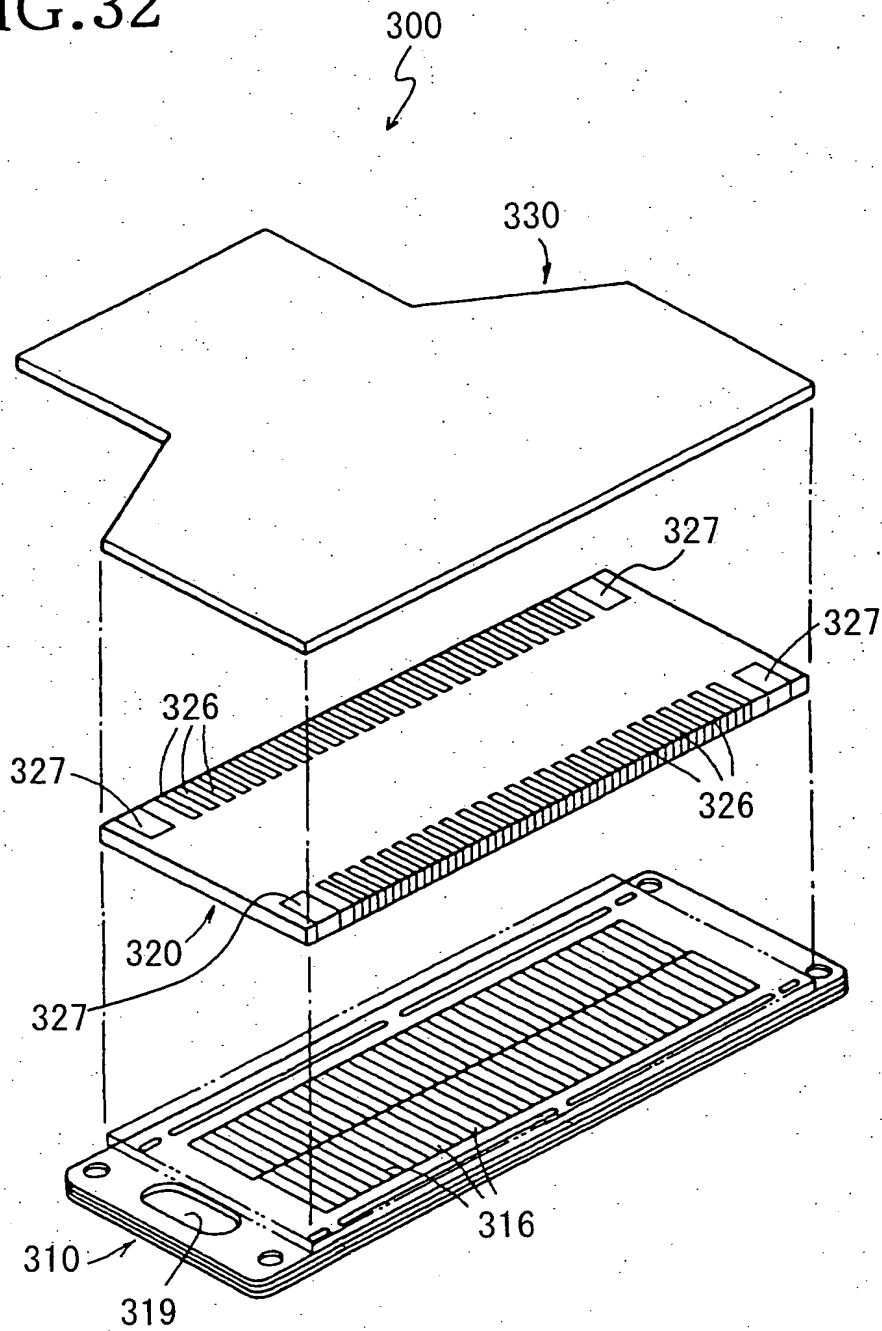


FIG.31B



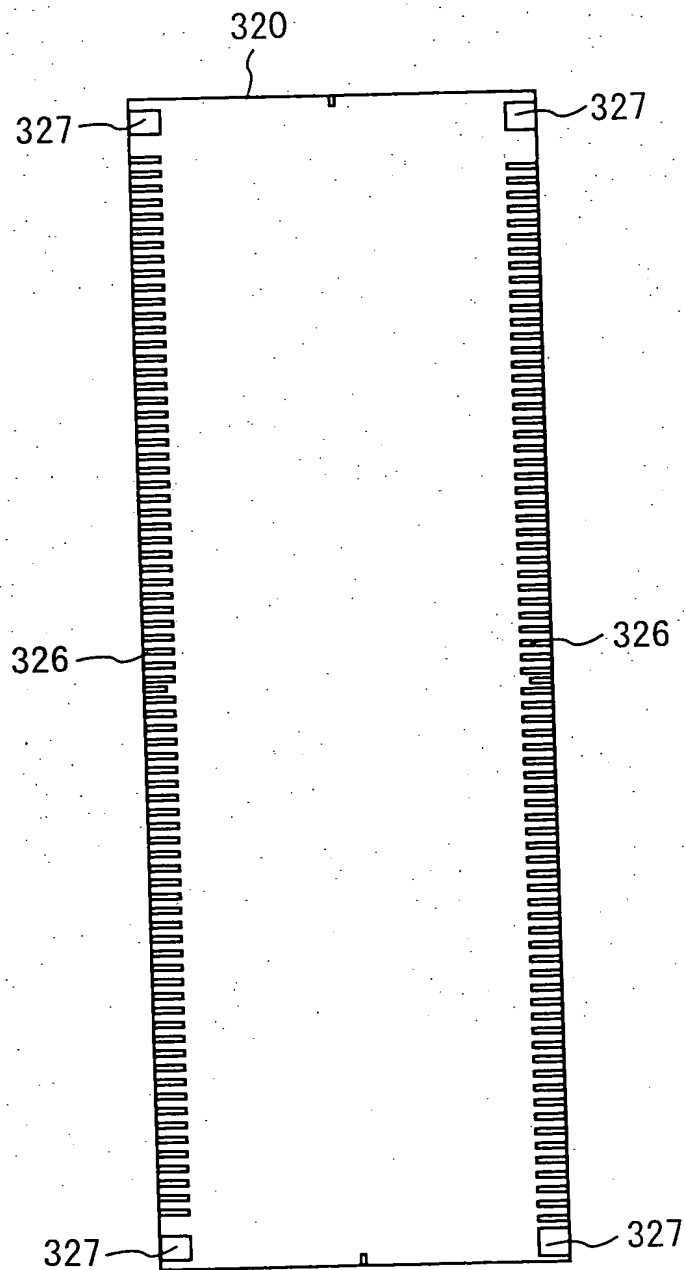
※ DATA MEASURED BY NEXIV WAS ARRANGED.

FIG.32



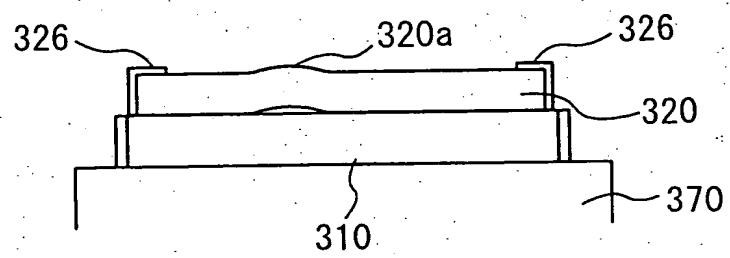
RELATED ART

FIG.33



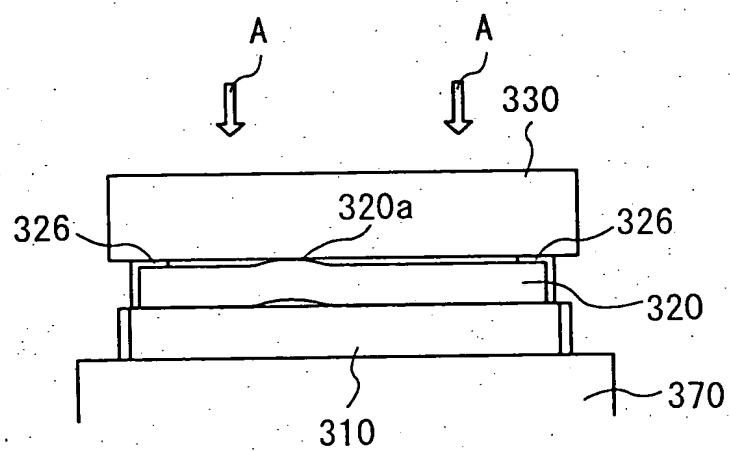
RELATED ART

FIG.34



RELATED ART

FIG.35



RELATED ART